

FIGURE 1

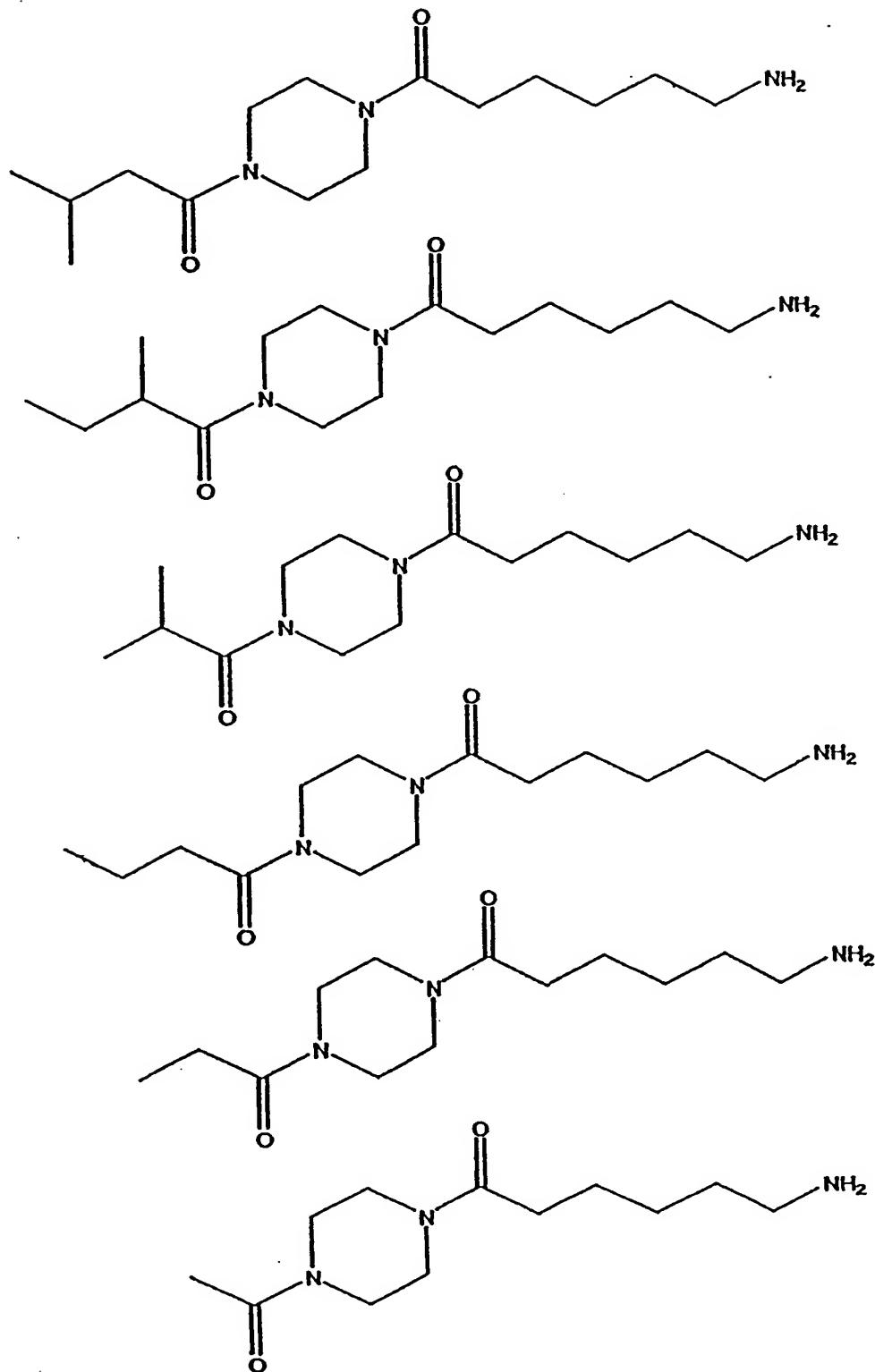


FIGURE 2A

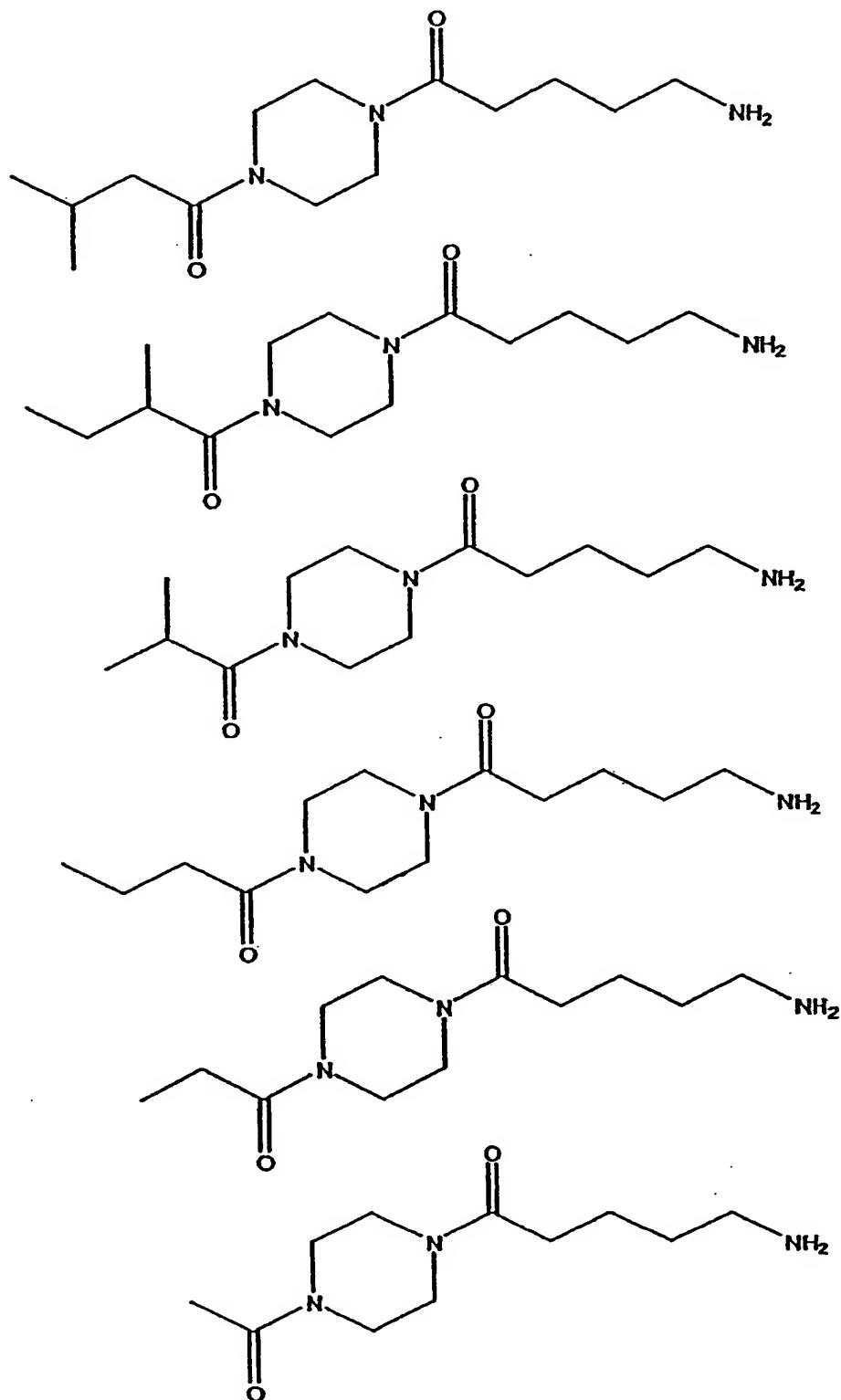


FIGURE 2B

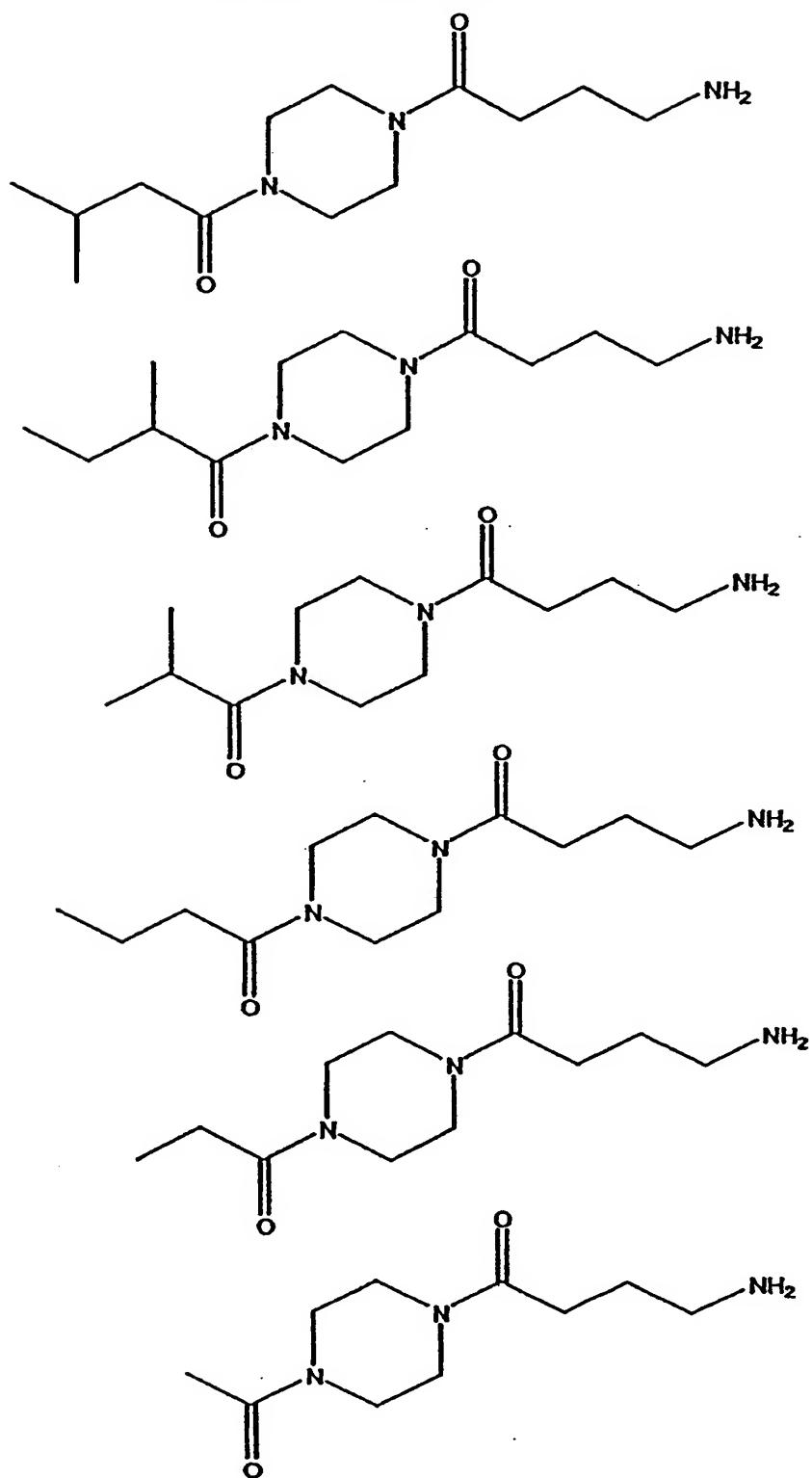


FIGURE 2C

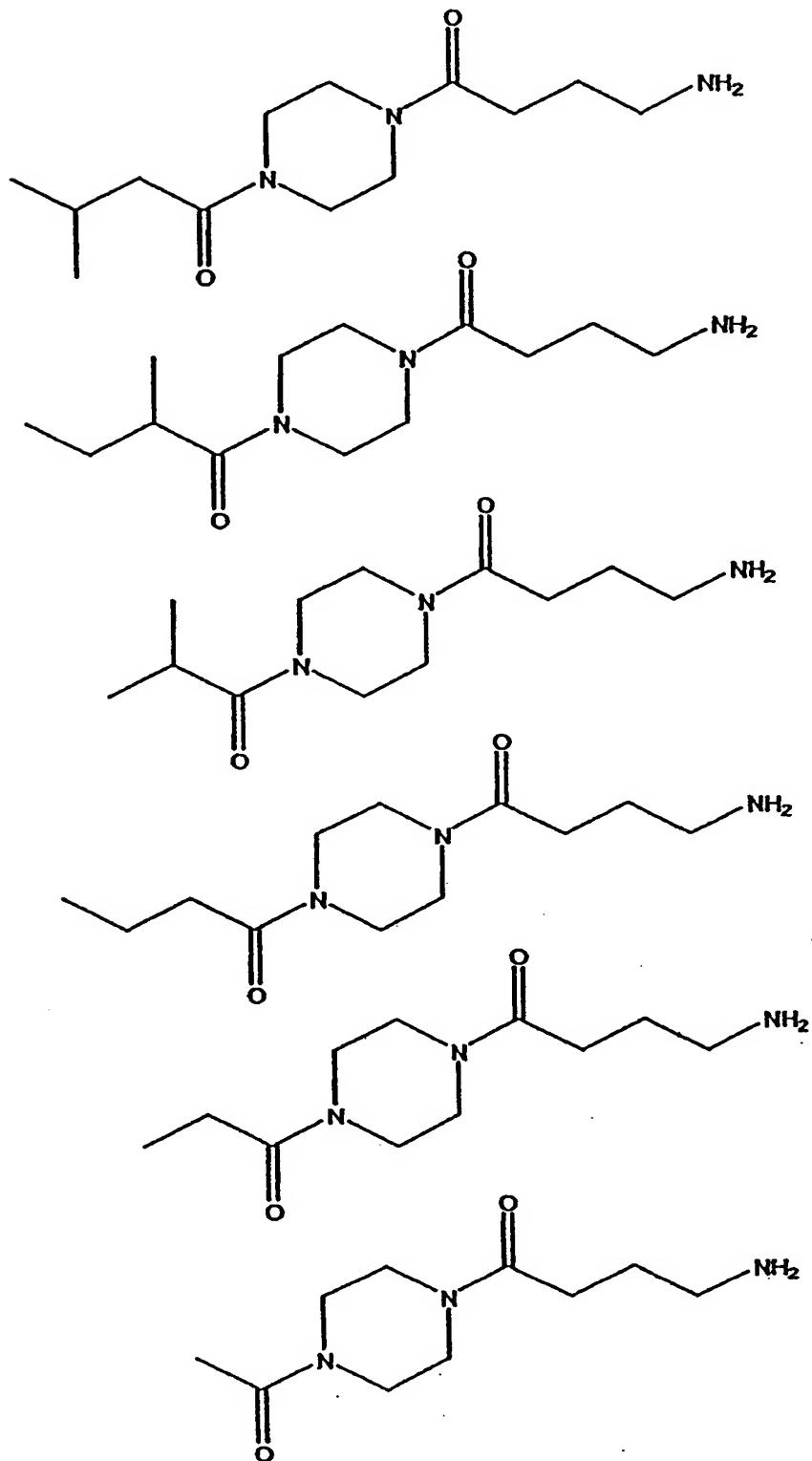


FIGURE 2D

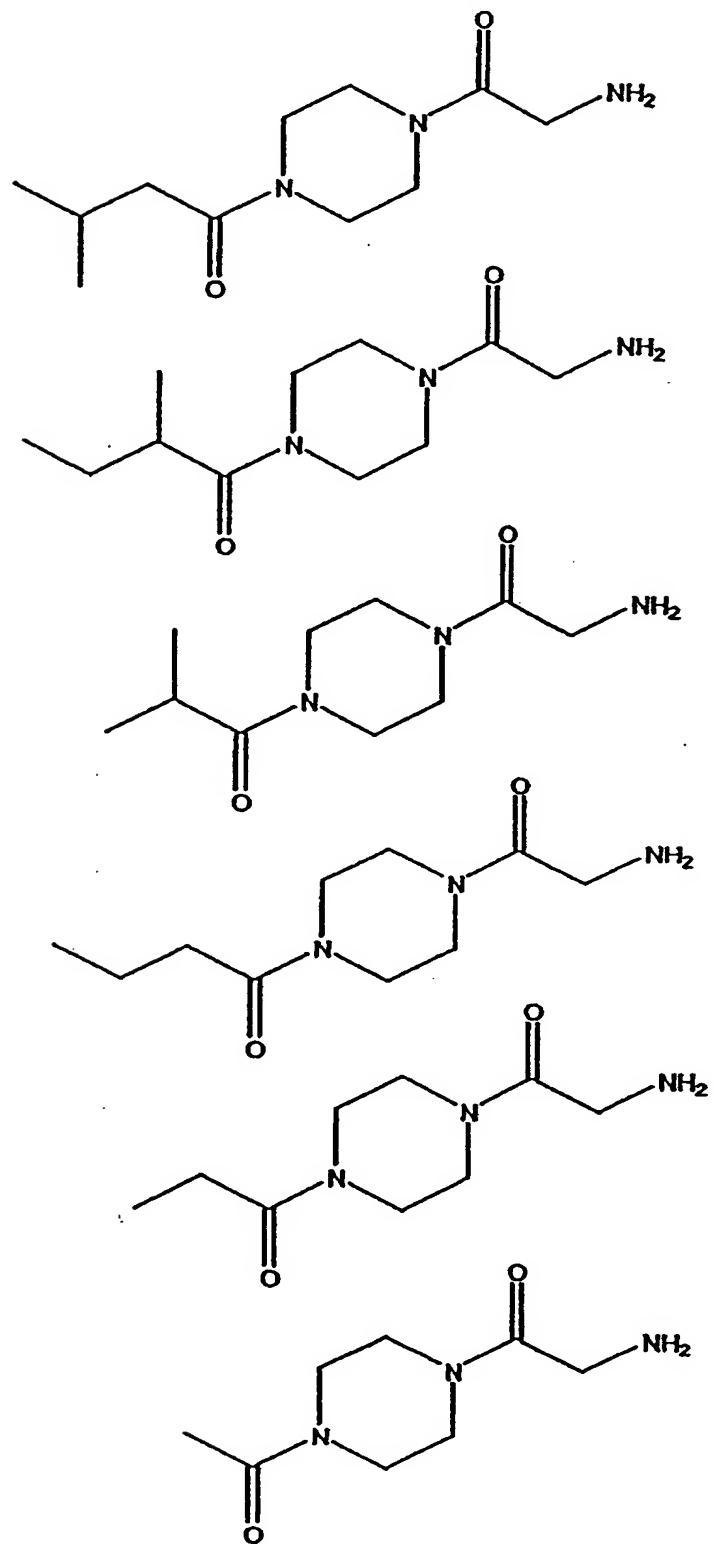


FIGURE 2E

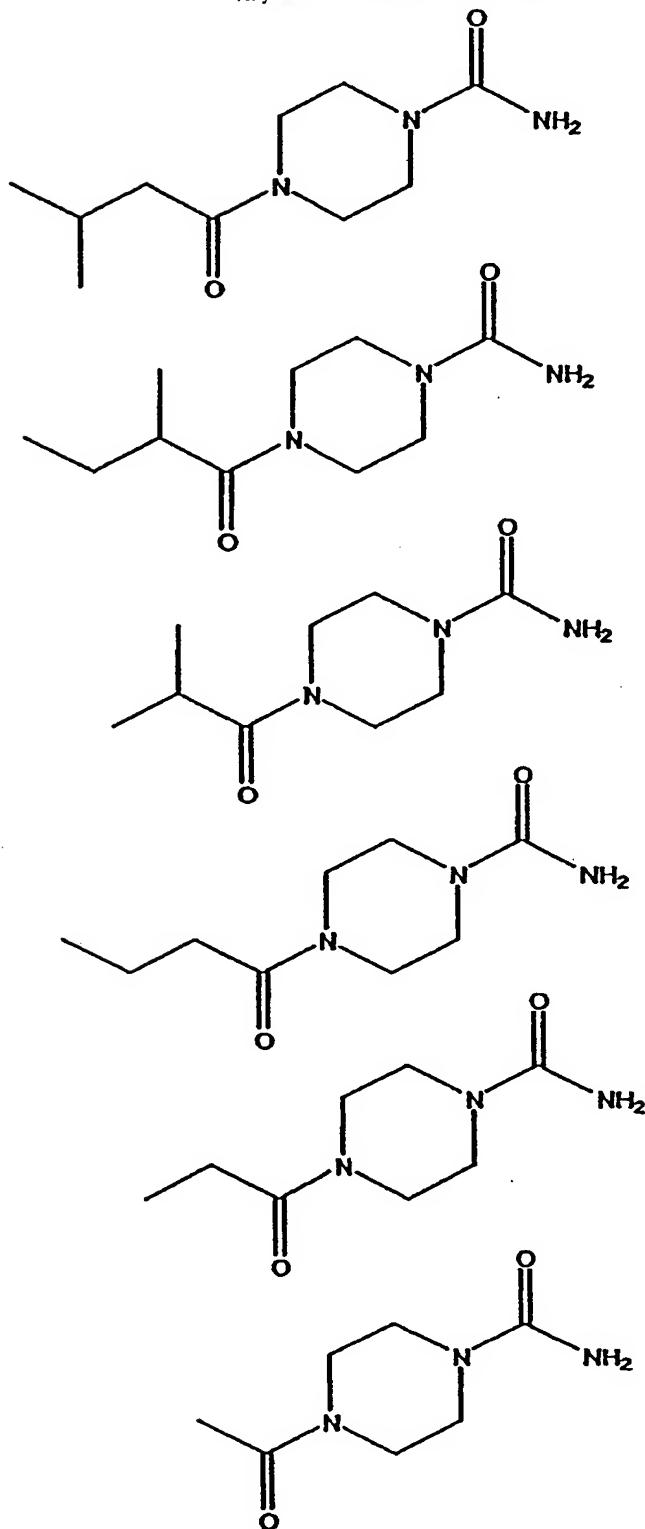


FIGURE 2F

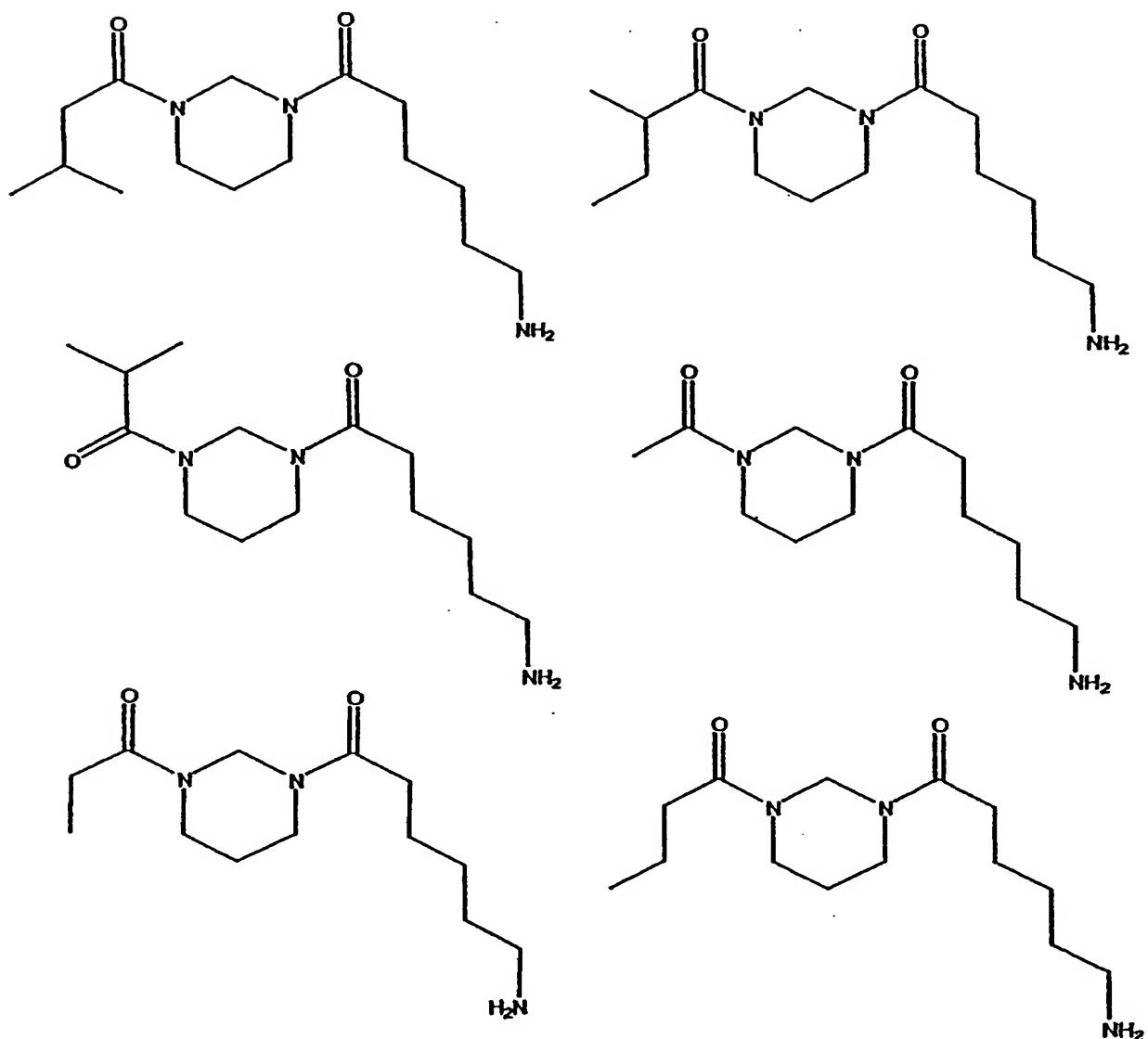
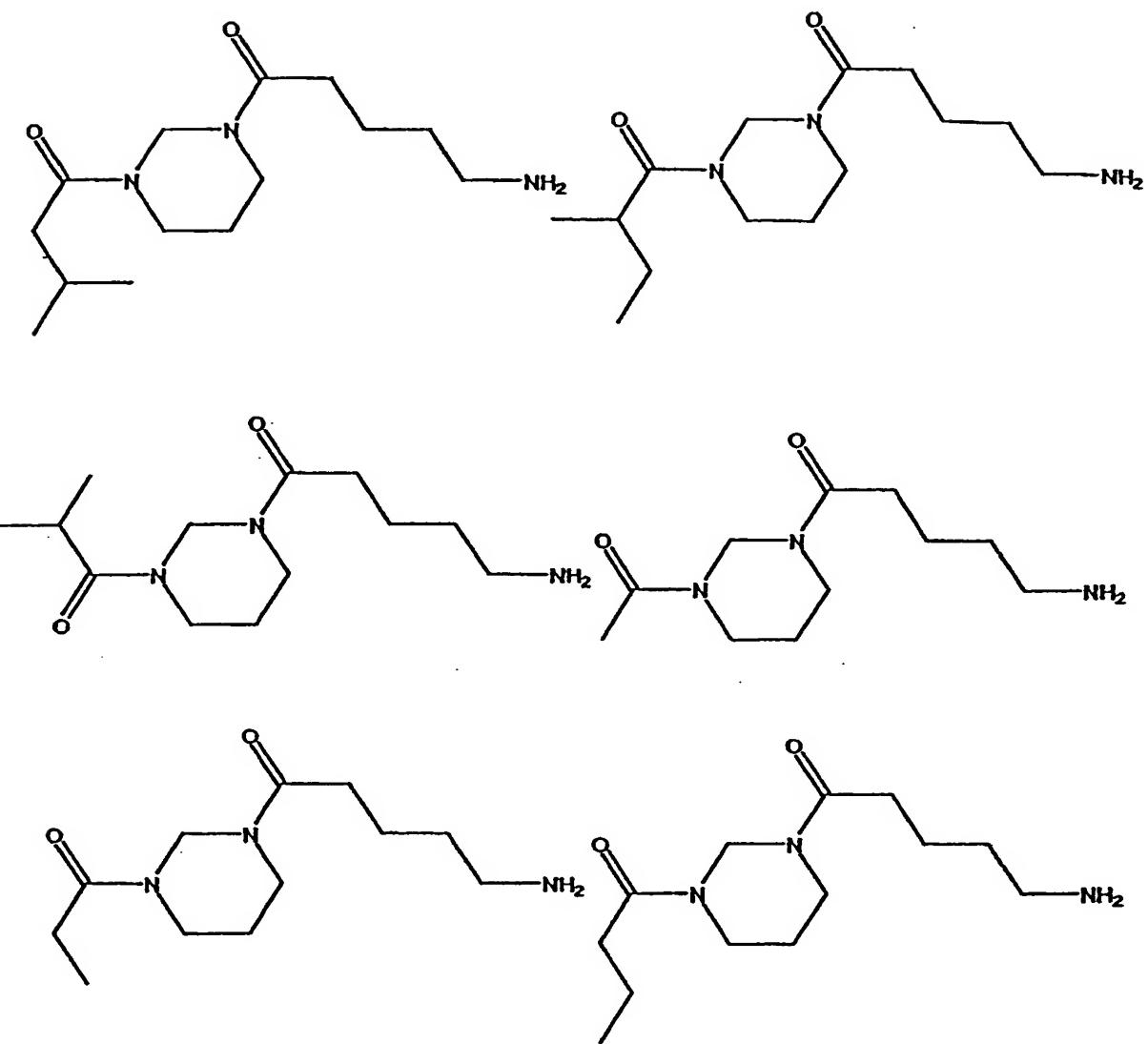


FIGURE 2G

Title: Compositions and Methods Comprising Protein Activated Receptor Antagonists  
Inventor: Todd A. Hembrough  
Atty Docket: 05213-3041 (43170-286877)



## FIGURE 2H

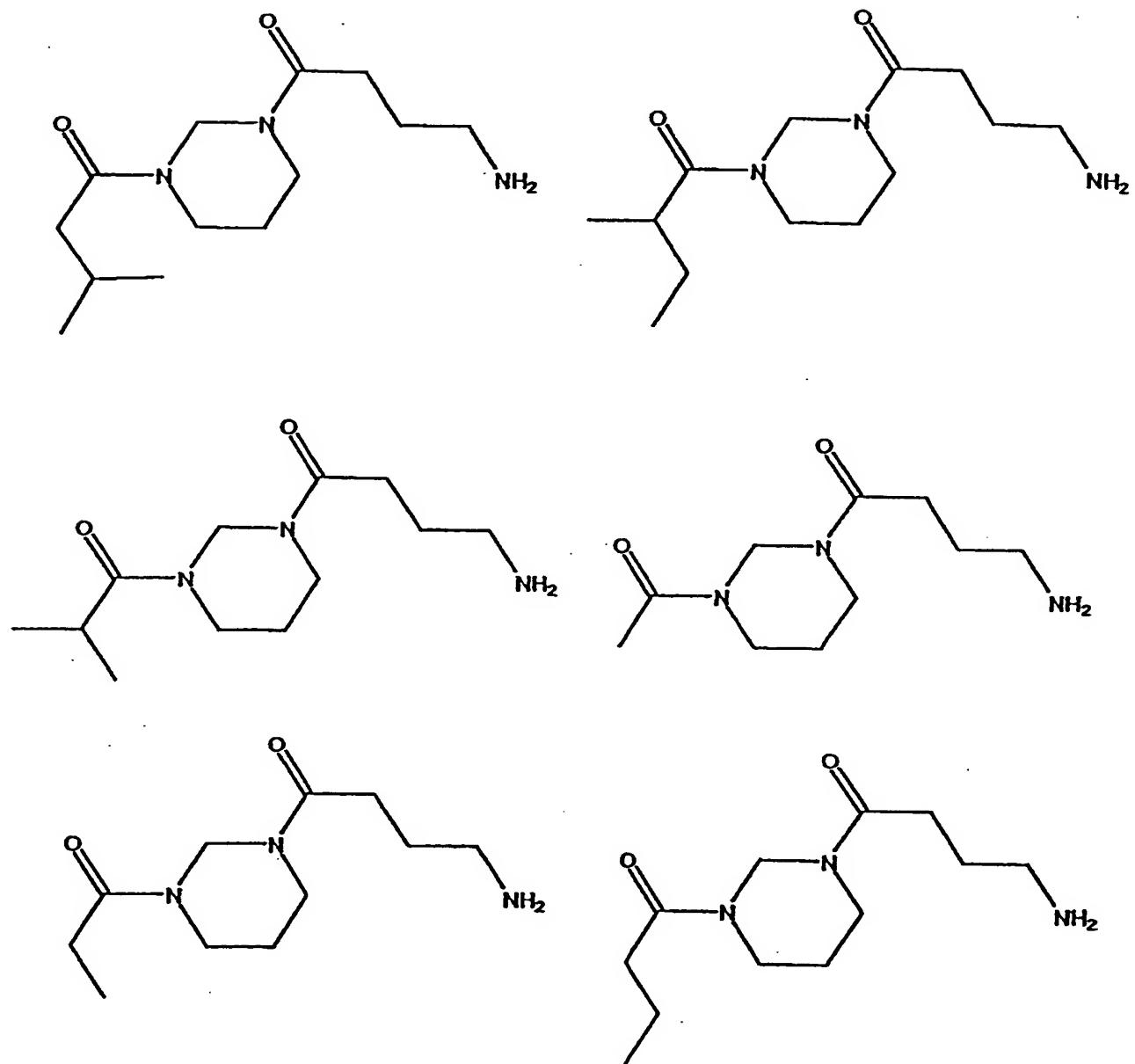


FIGURE 2I

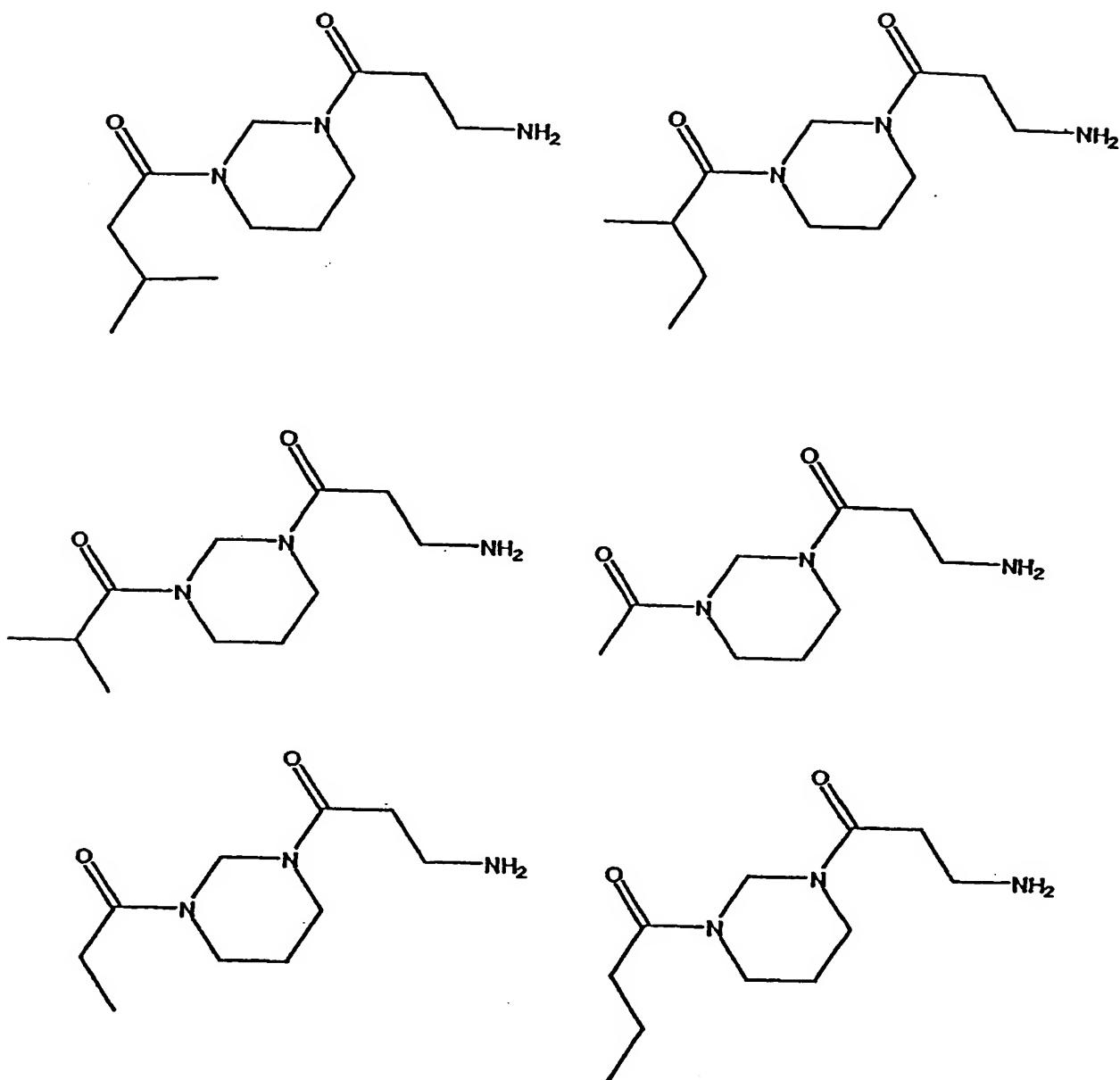


FIGURE 2J

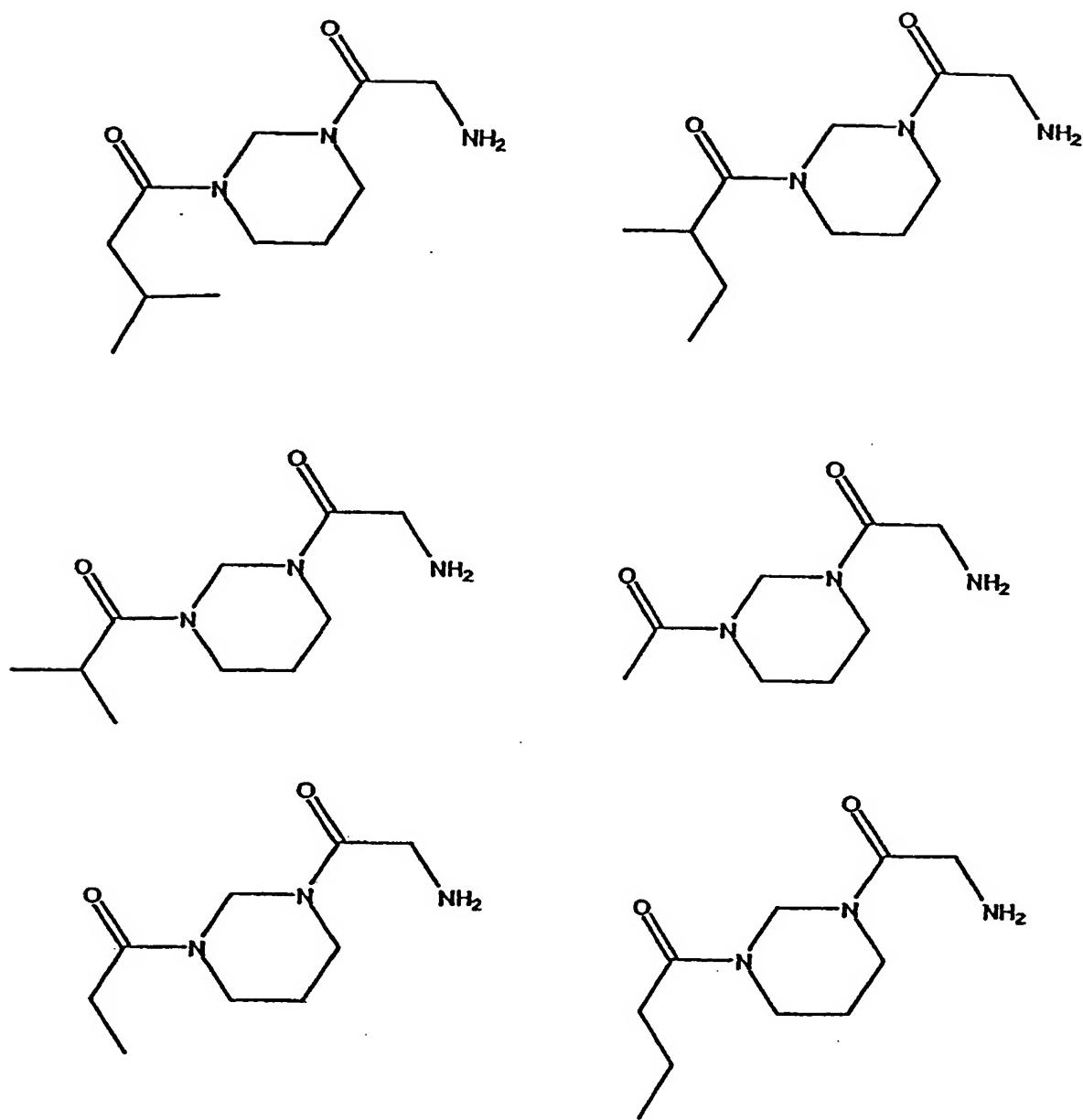


FIGURE 2K

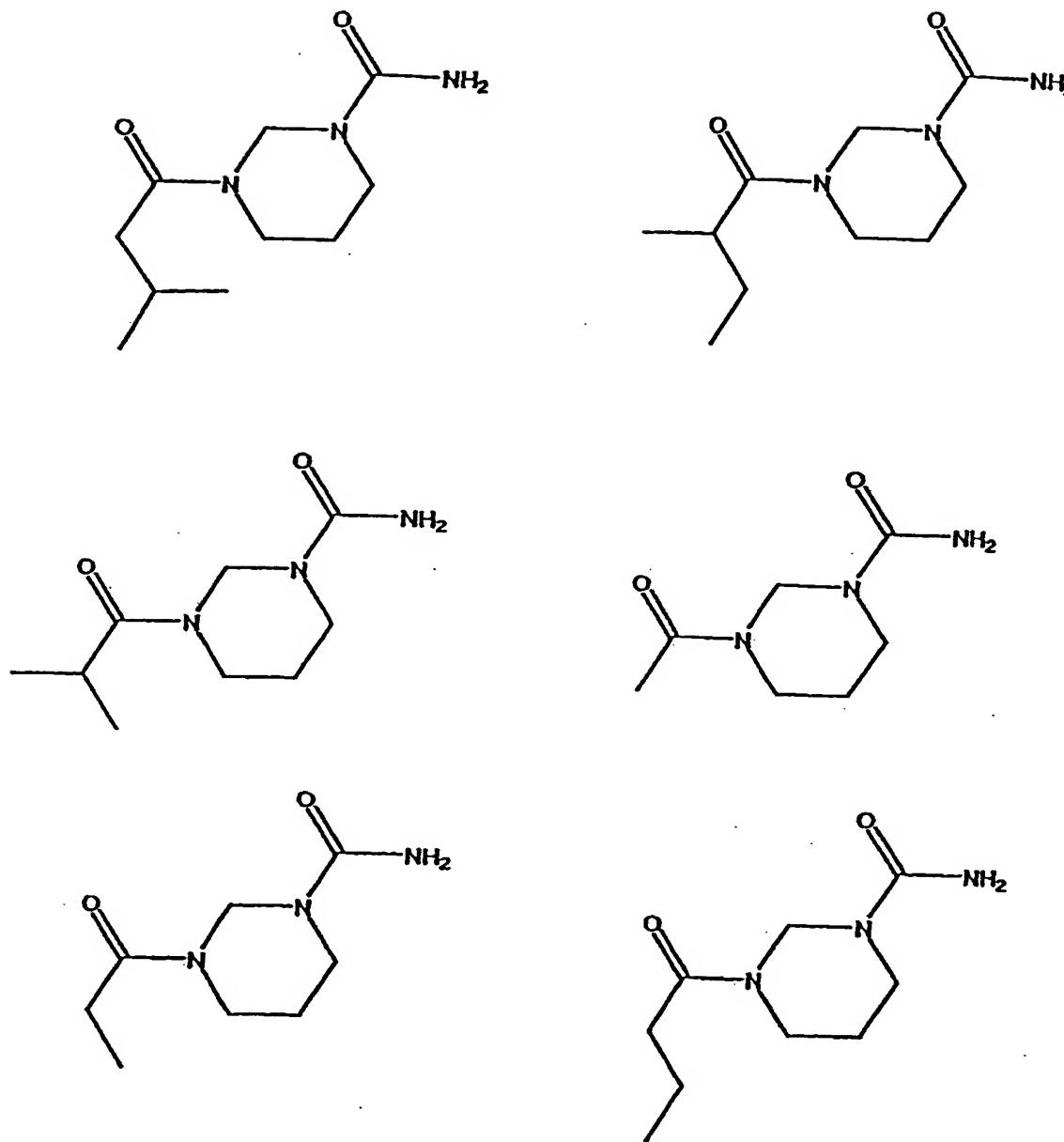


FIGURE 2L

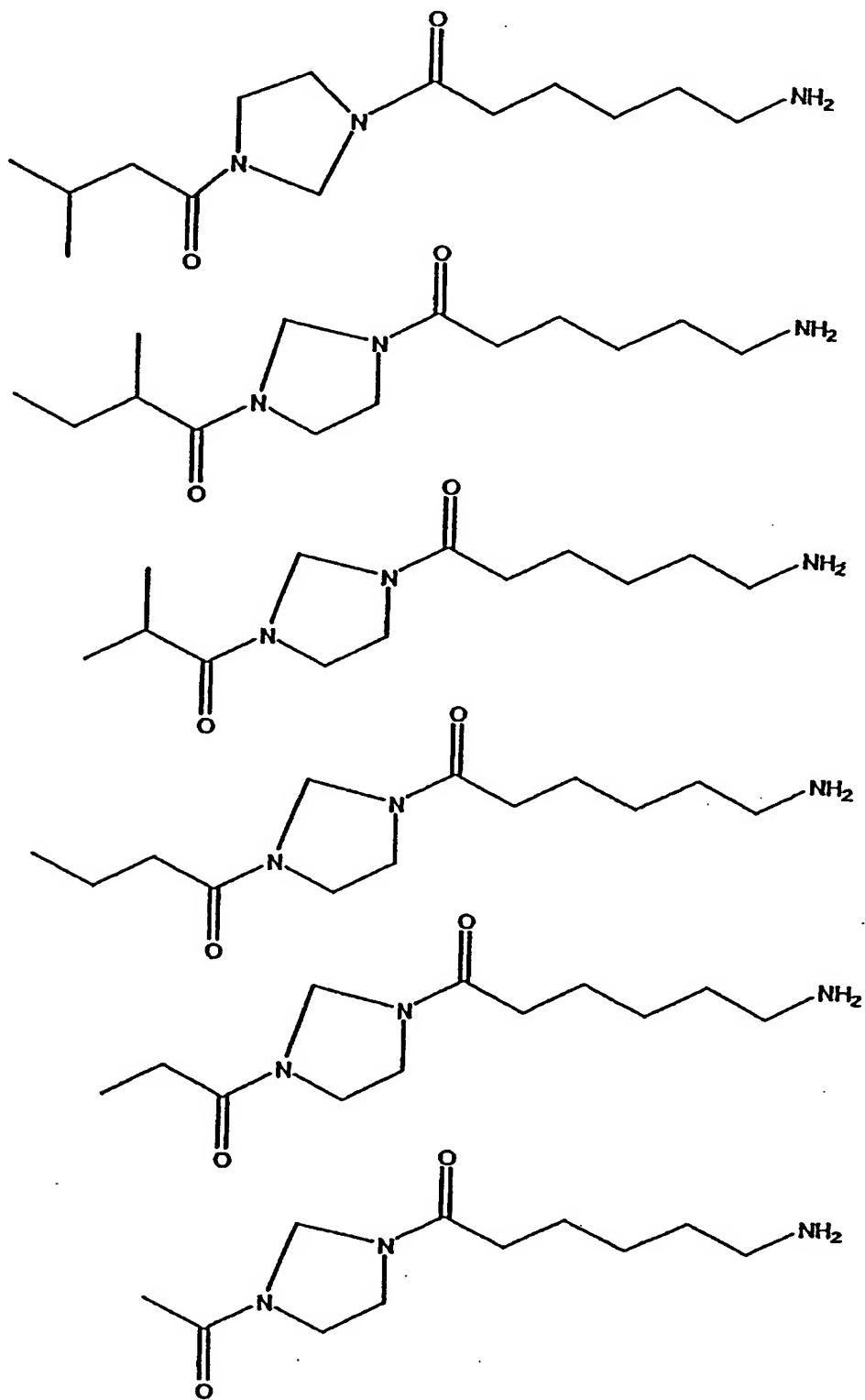


FIGURE 2M

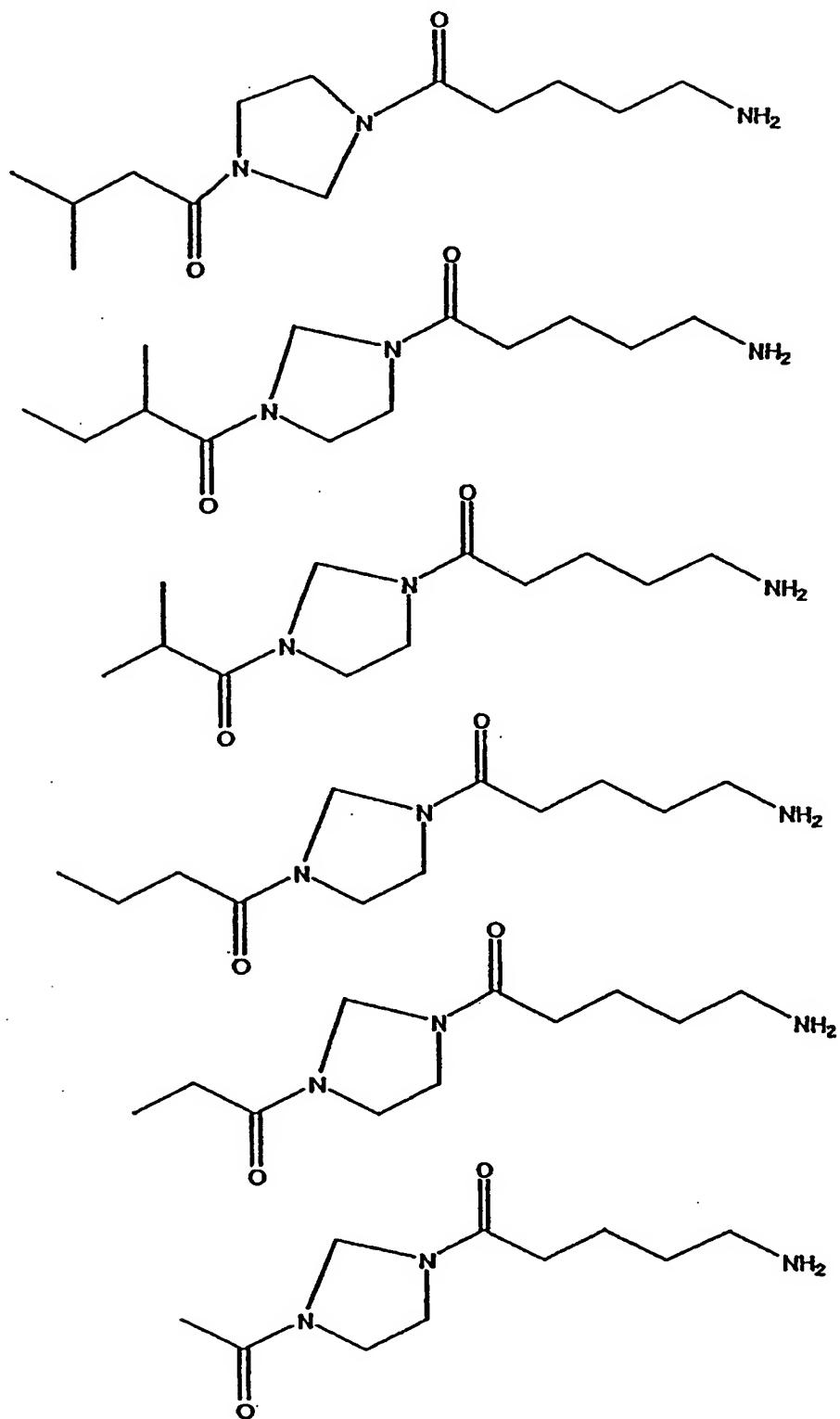


FIGURE 2N

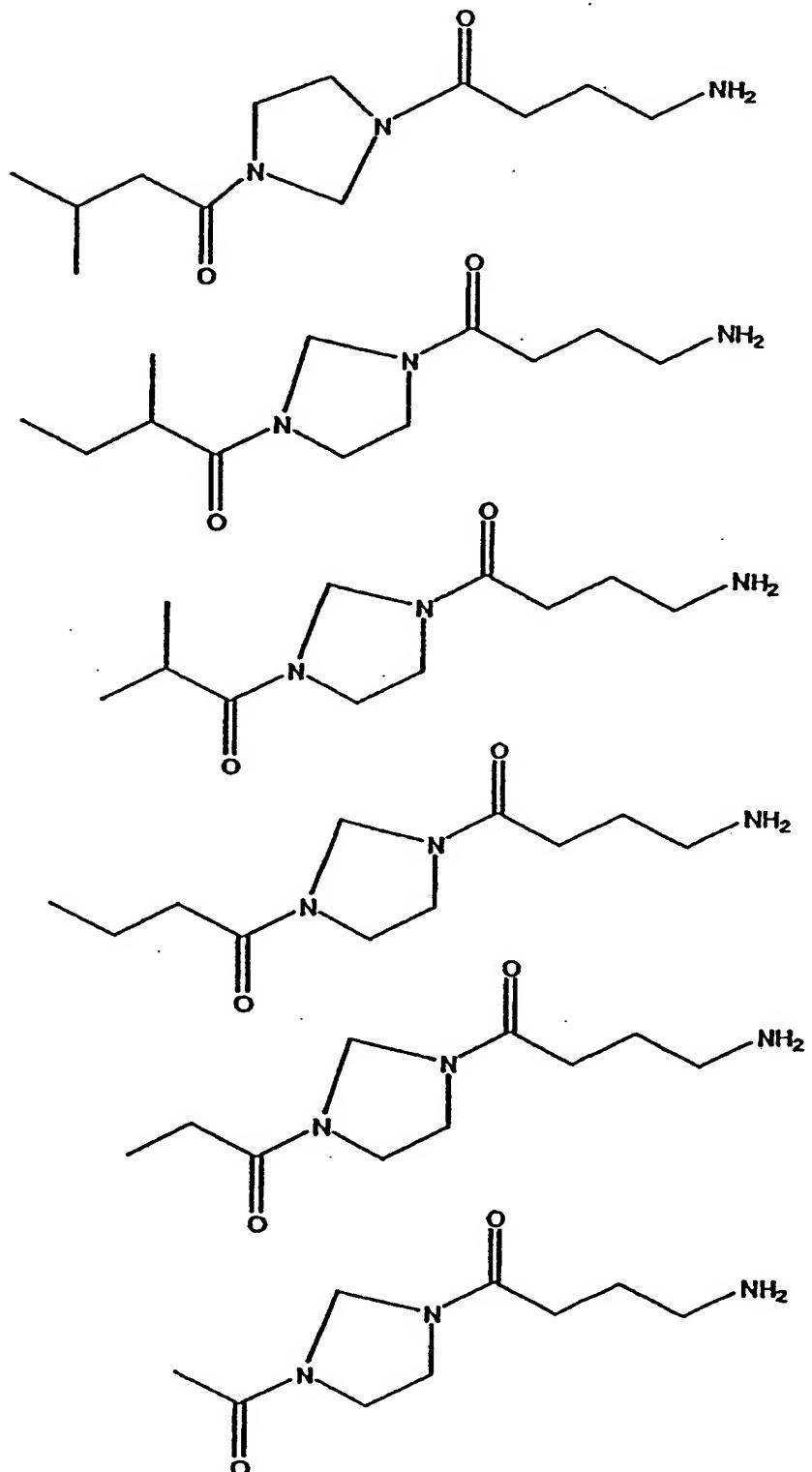


FIGURE 20

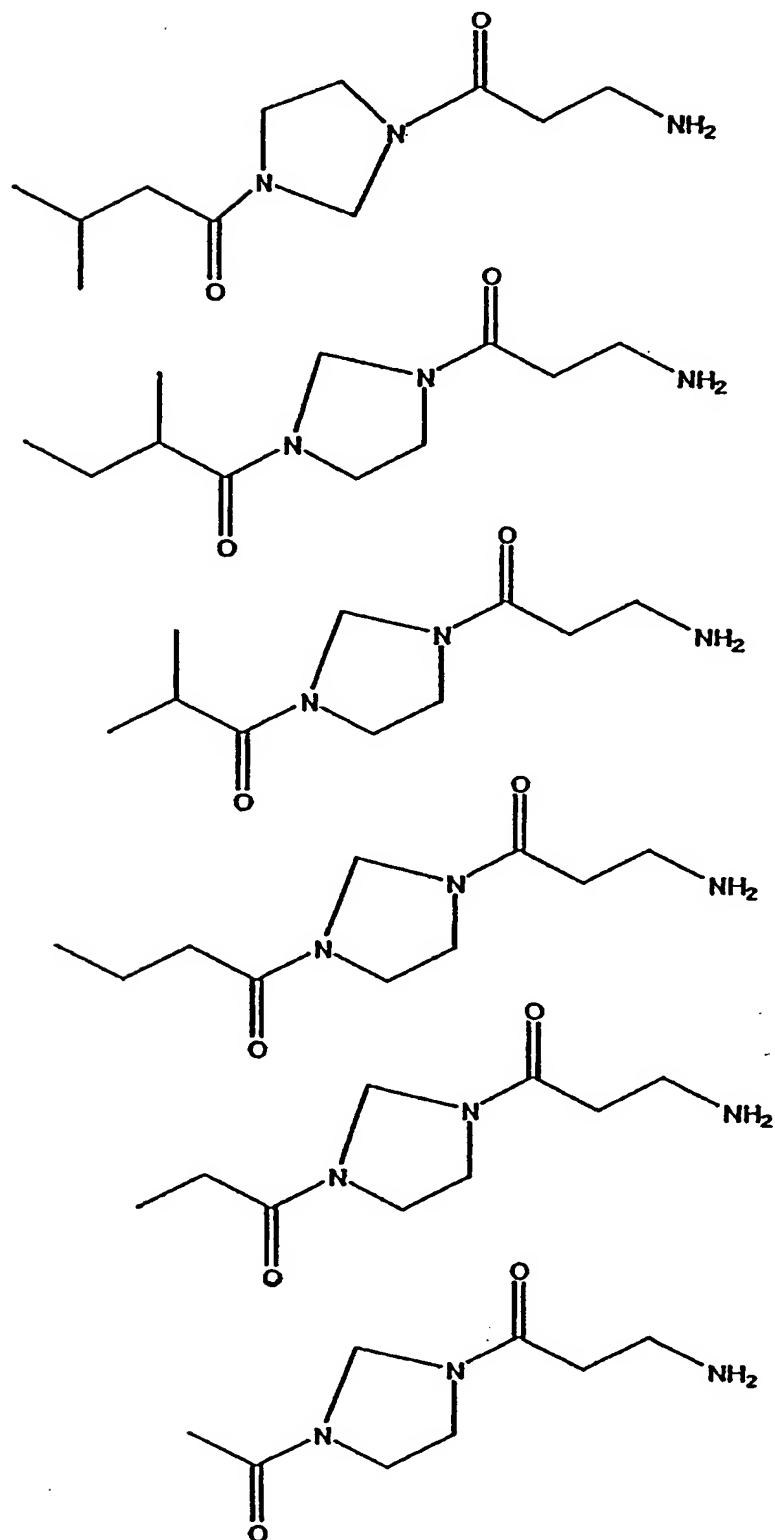


FIGURE 2P

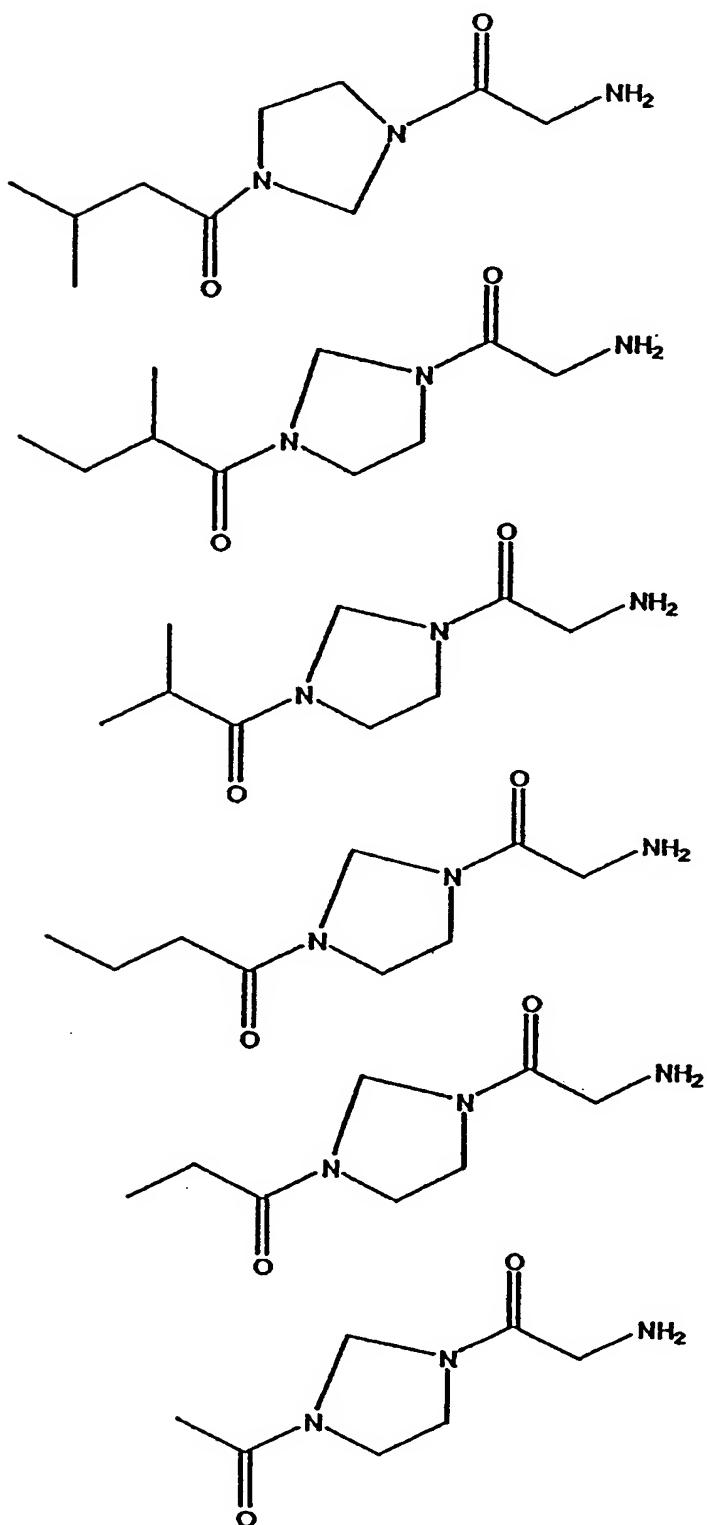


FIGURE 2Q

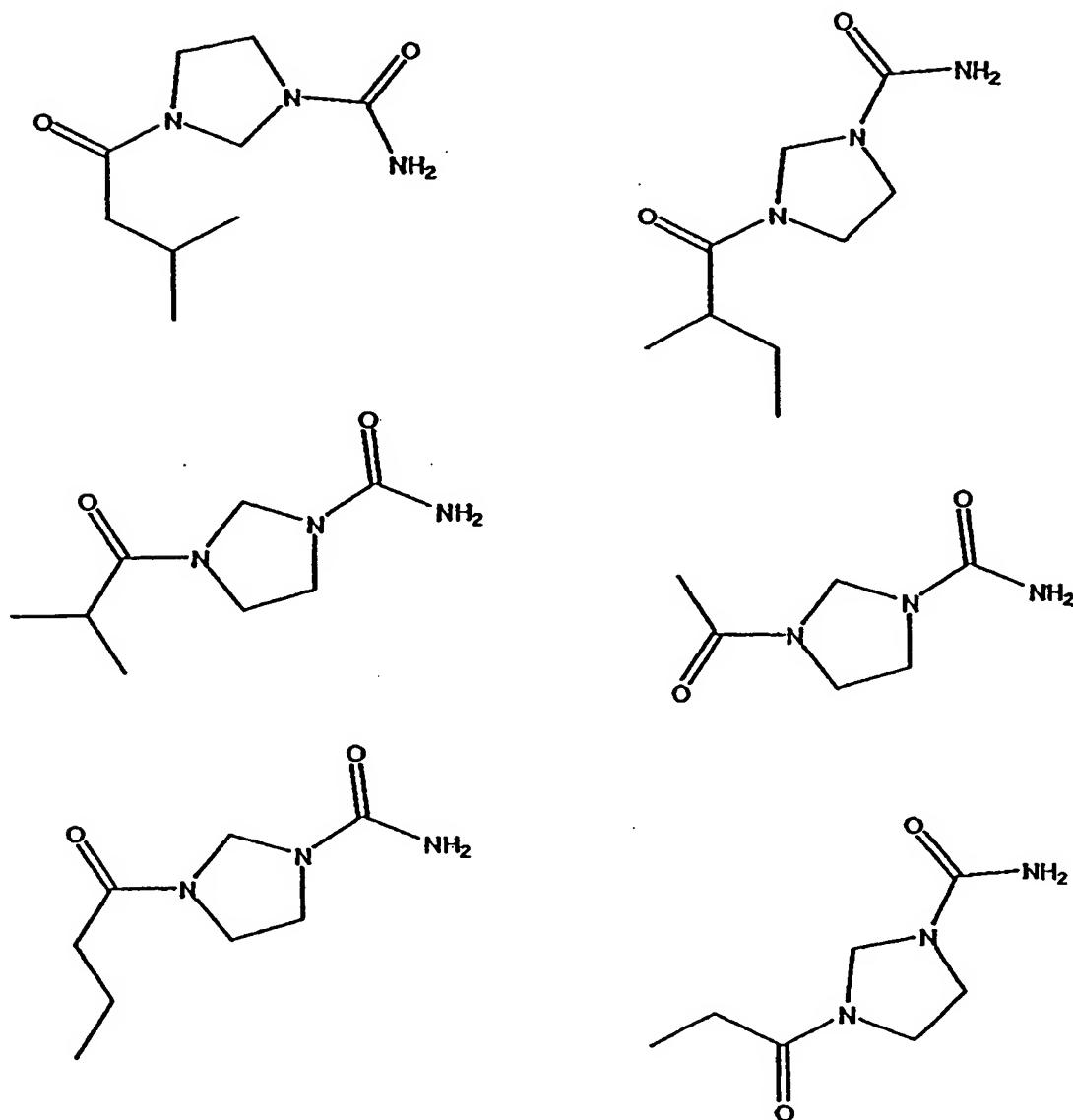


FIGURE 2R

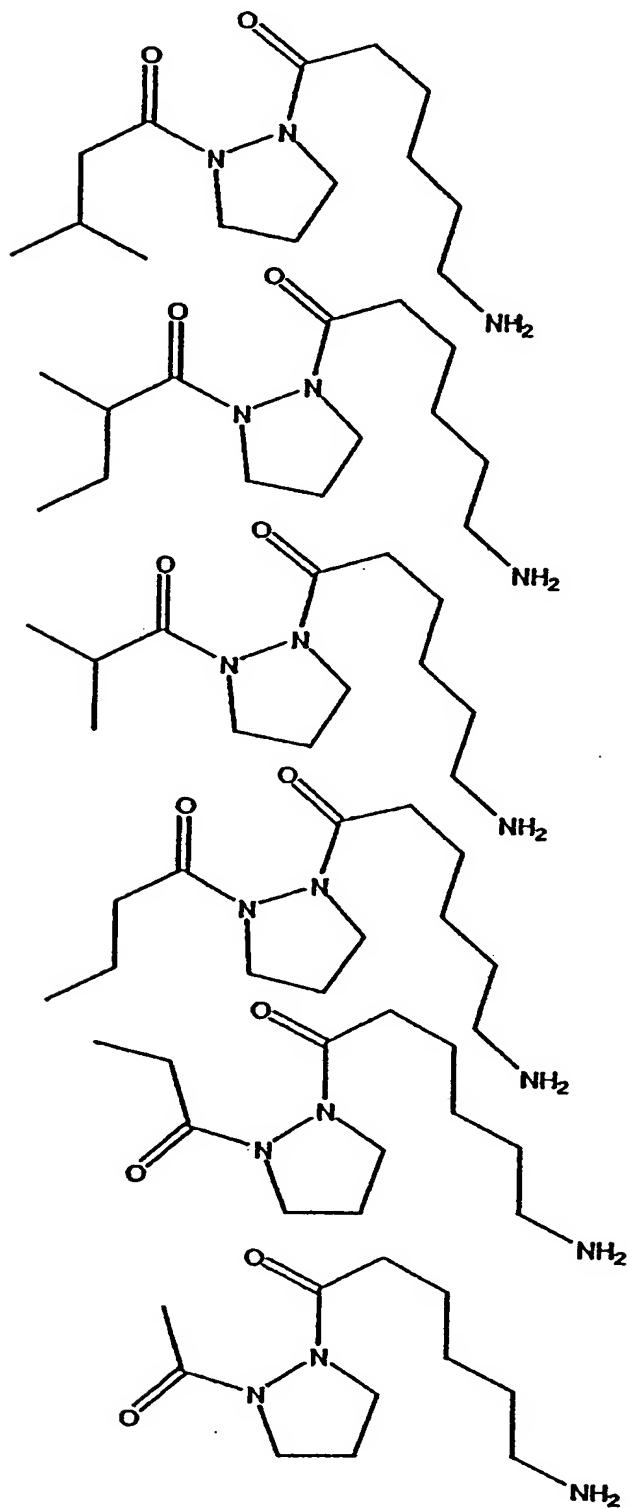


FIGURE 2S

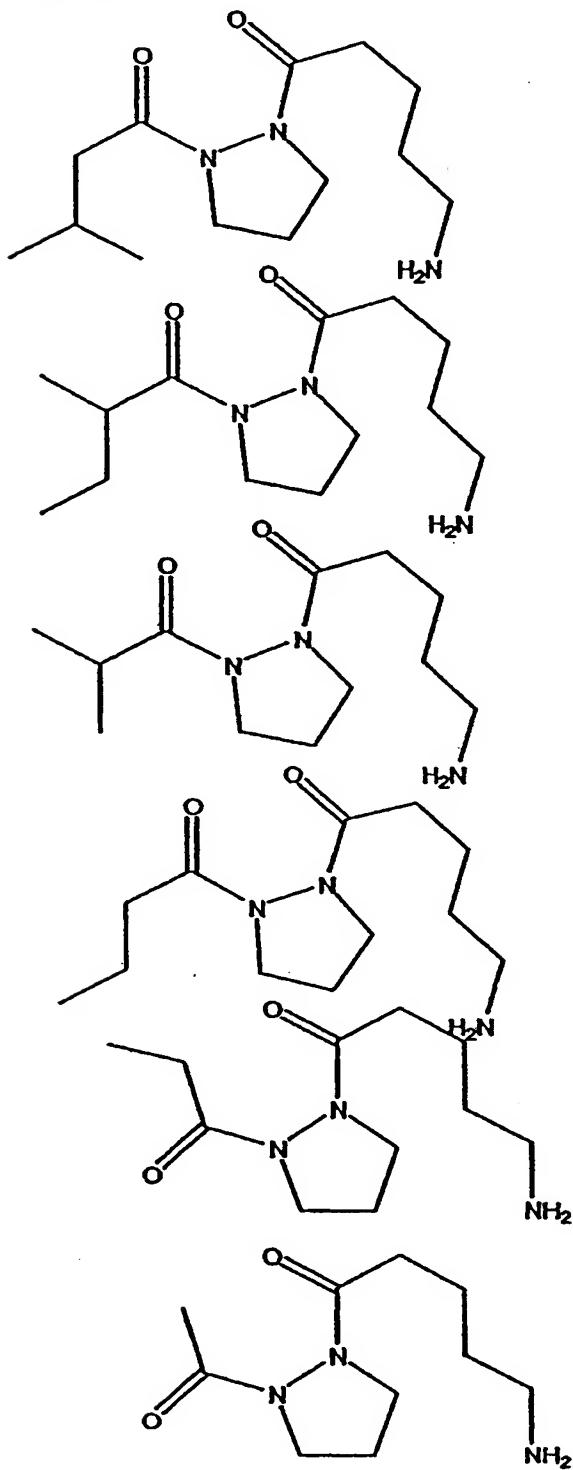


FIGURE 2T

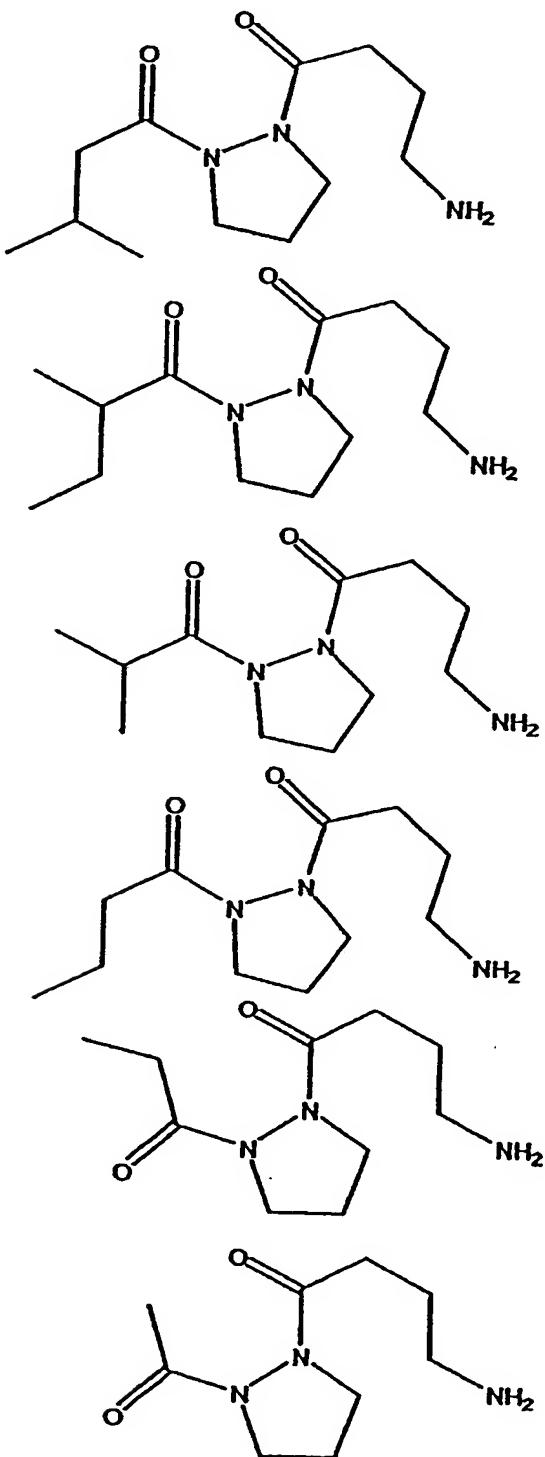


FIGURE 2U

Title: Compositions and Methods Comprising Protein  
Activated Receptor Antagonists  
Inventor: Todd A. Hembrough  
Atty Docket: 05213-3041 (43170-286877)

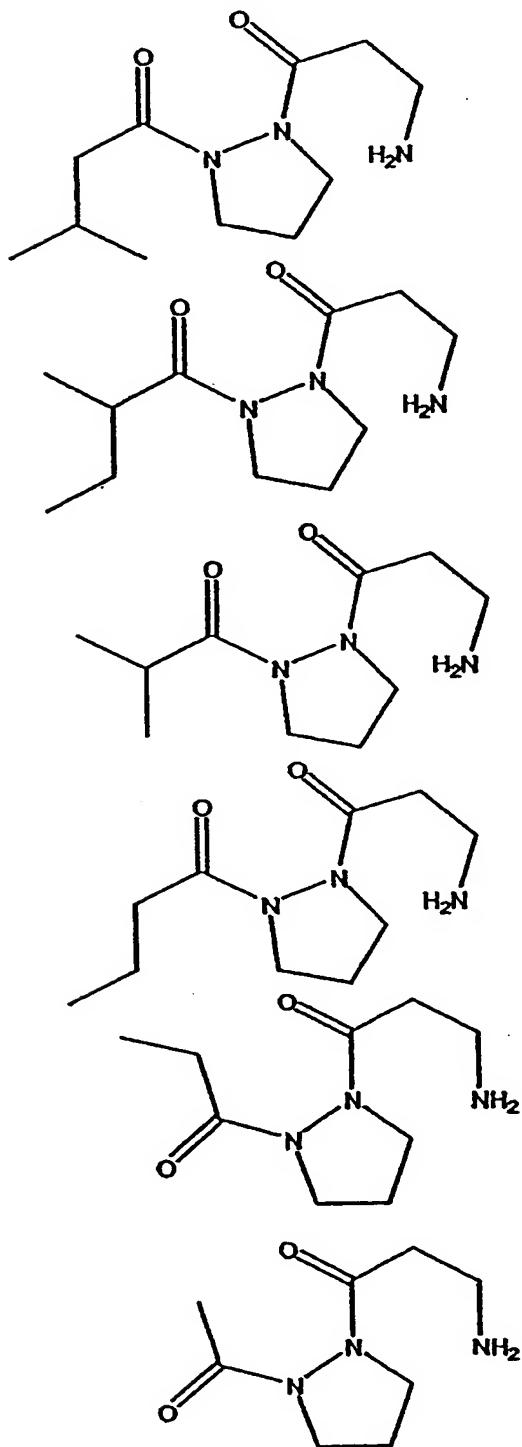


FIGURE 2V

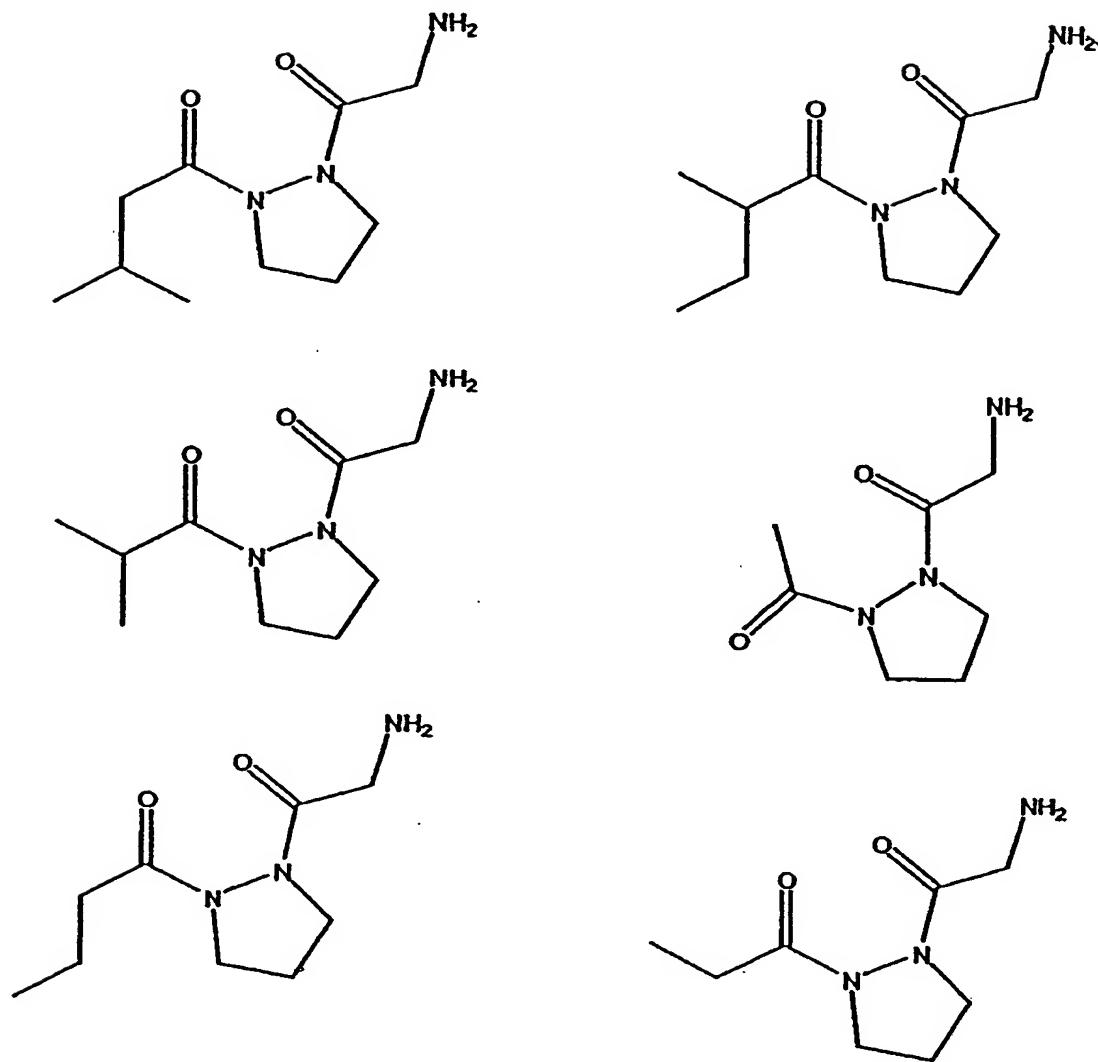


FIGURE 2W

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Activated Receptor Antagonists  
Inventor: Todd A. Hembrough  
Atty Docket: 05213-3041 (43170-286877)

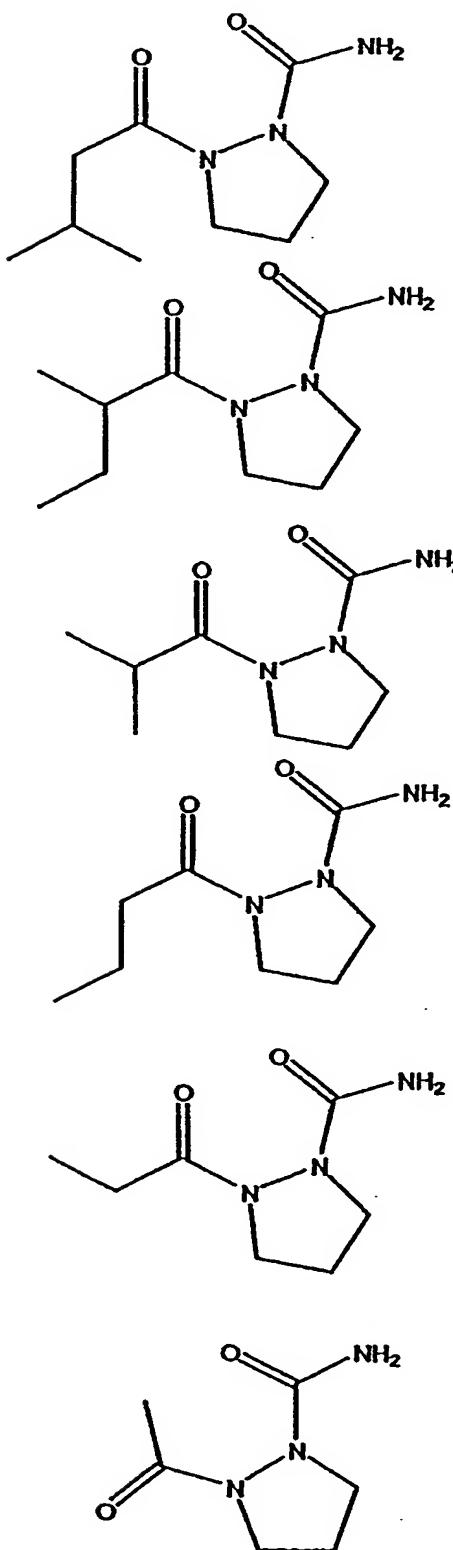


FIGURE 2X

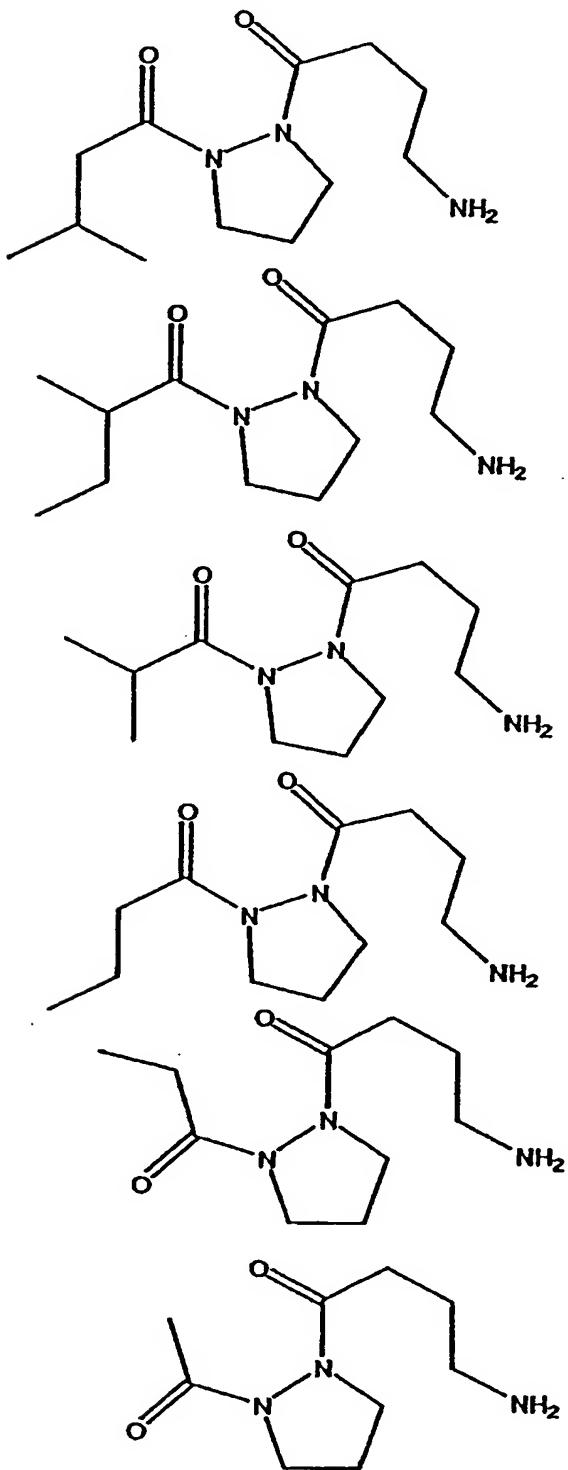


FIGURE 2Y

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Activated Receptor Antagonists  
Inventor: Todd A. Hembrough  
Atty Docket: 05213-3041 (43170-286877)

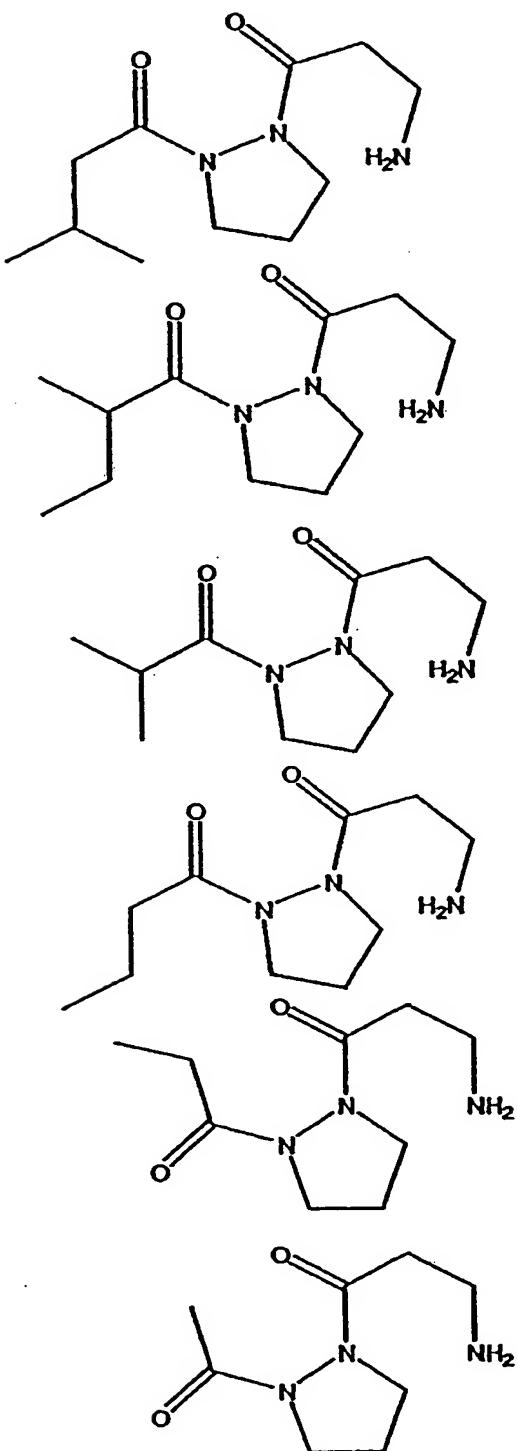


FIGURE 2Z

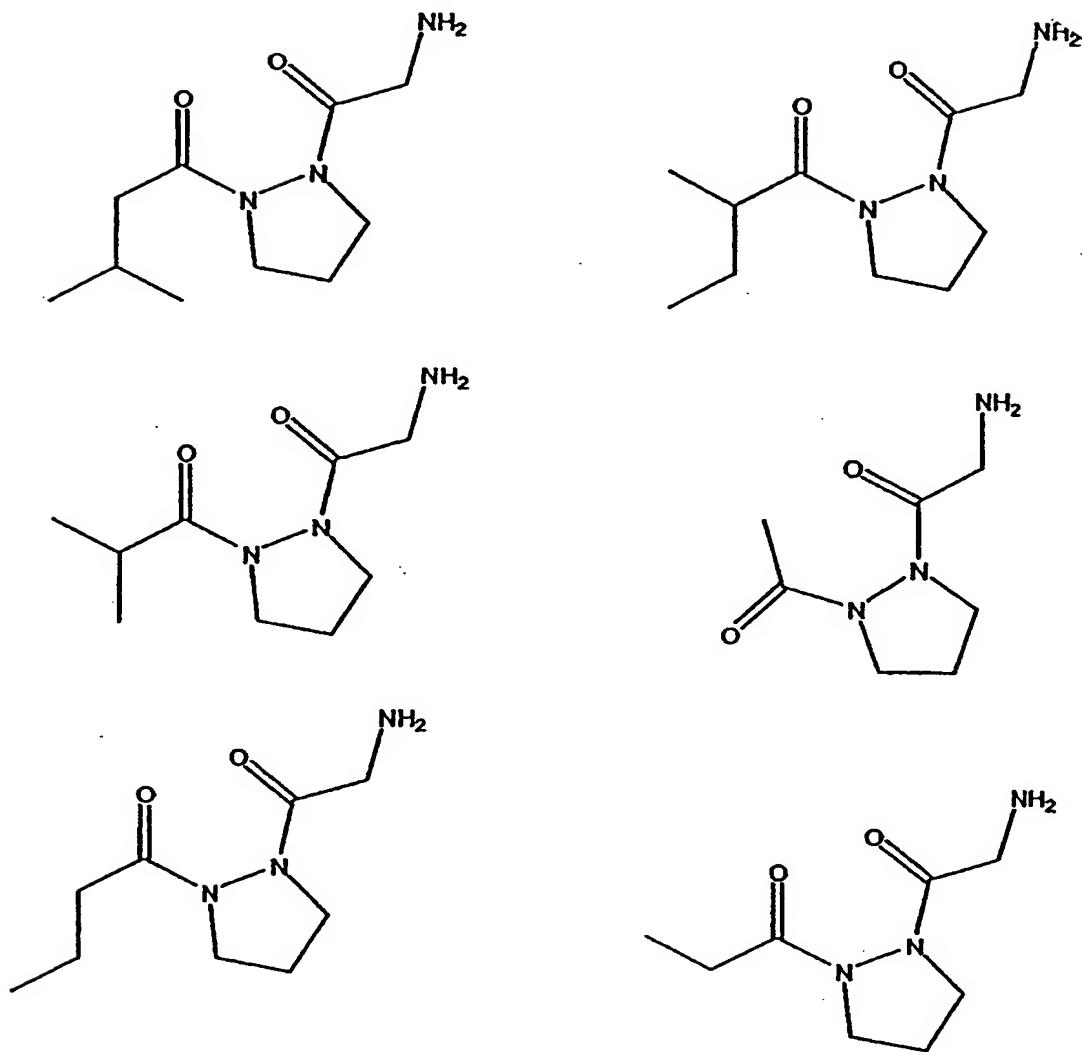


FIGURE 2AA

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Activated Receptor Antagonists  
Inventor: Todd A. Hembrough  
Atty Docket: 05213-3041 (43170-286877)

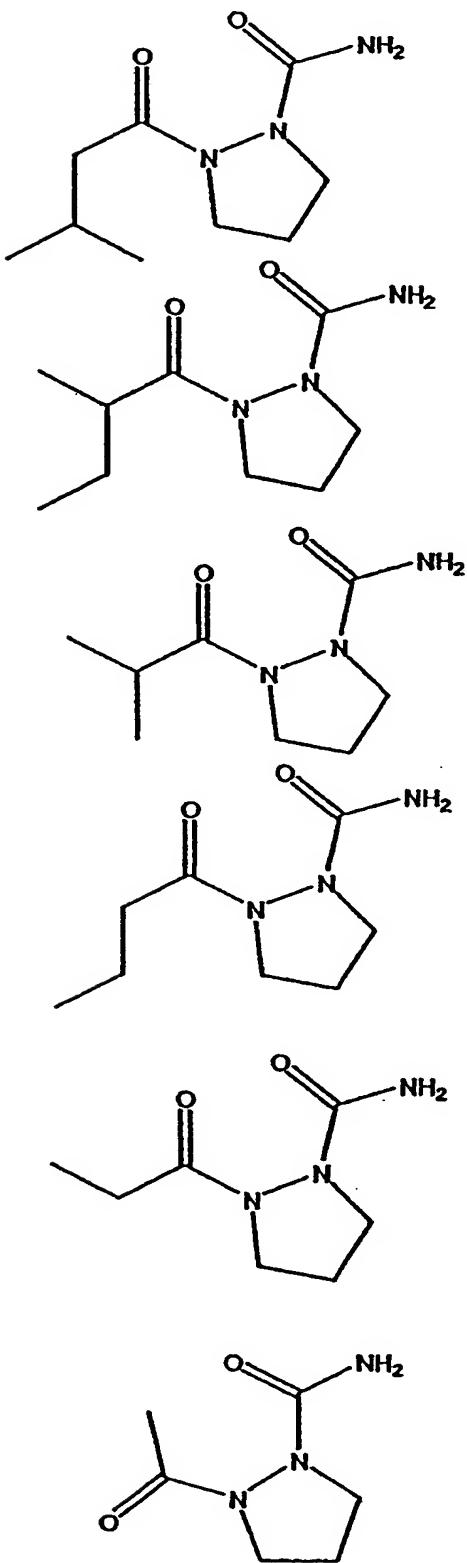


FIGURE 2BB

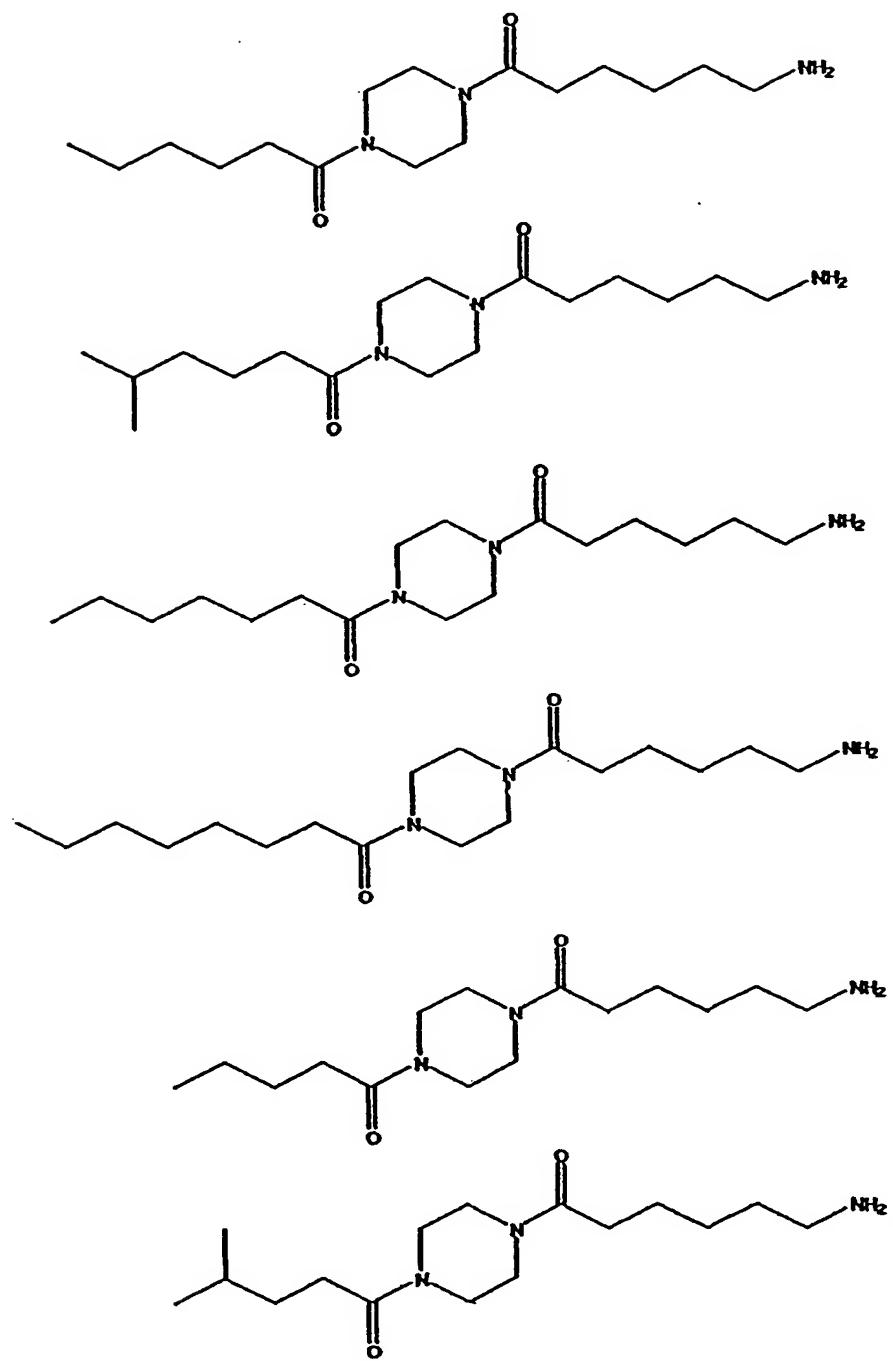


FIGURE 2CC

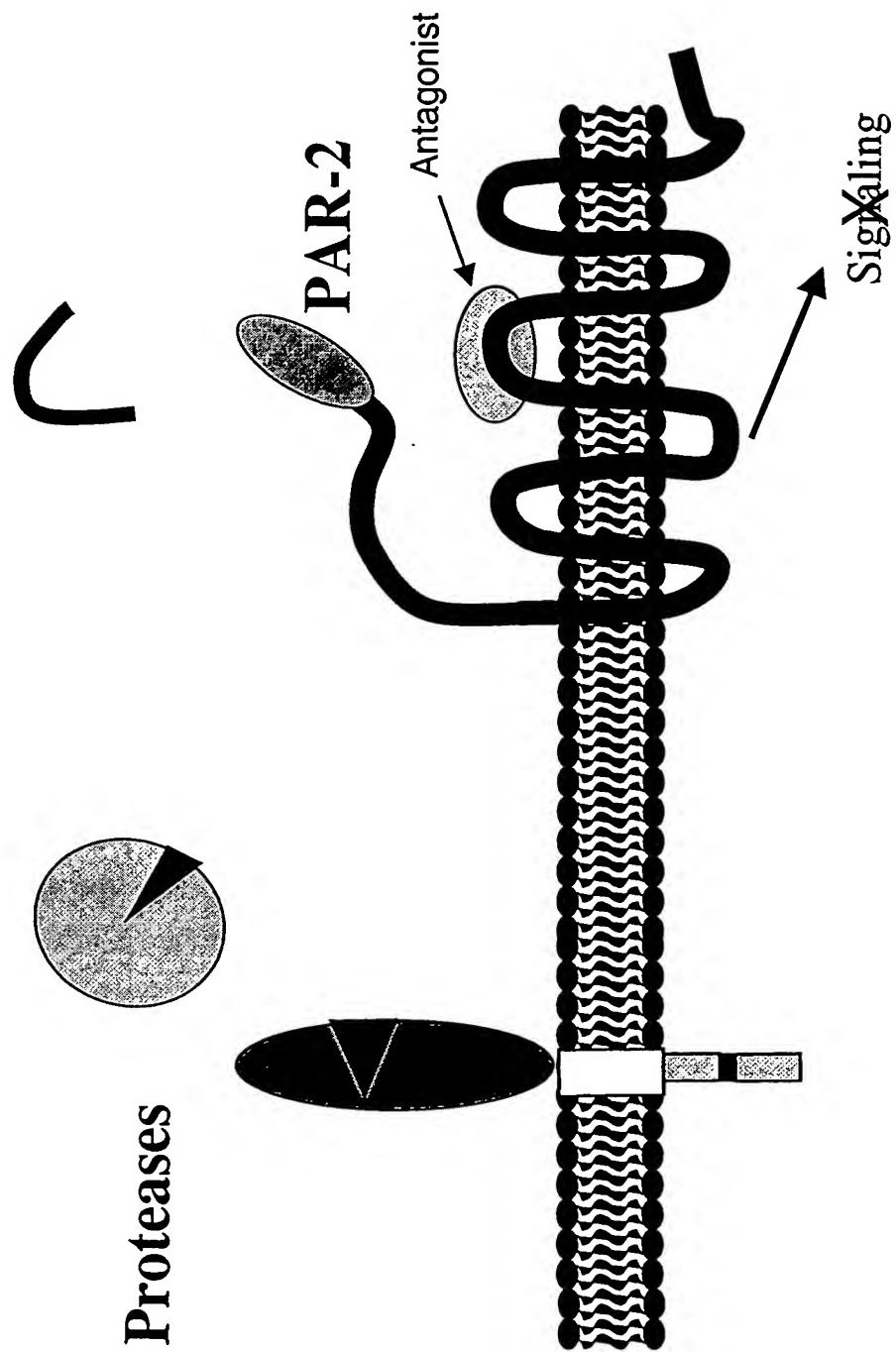


FIGURE 3

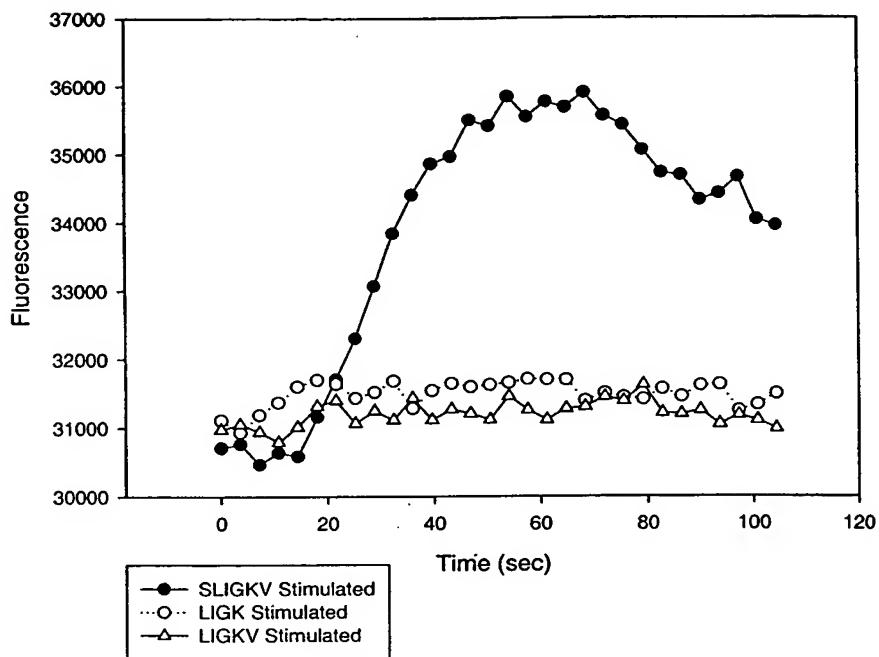


FIGURE 4A

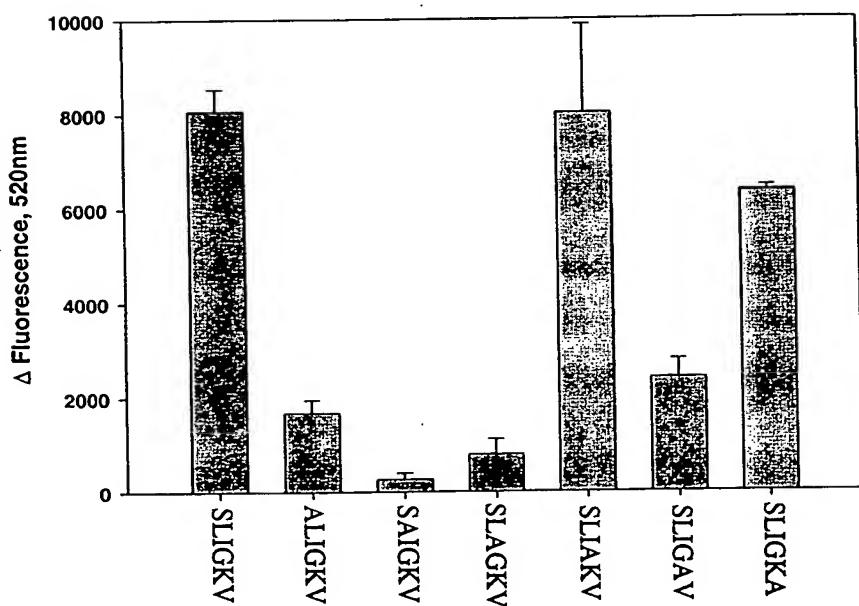


FIGURE 4B

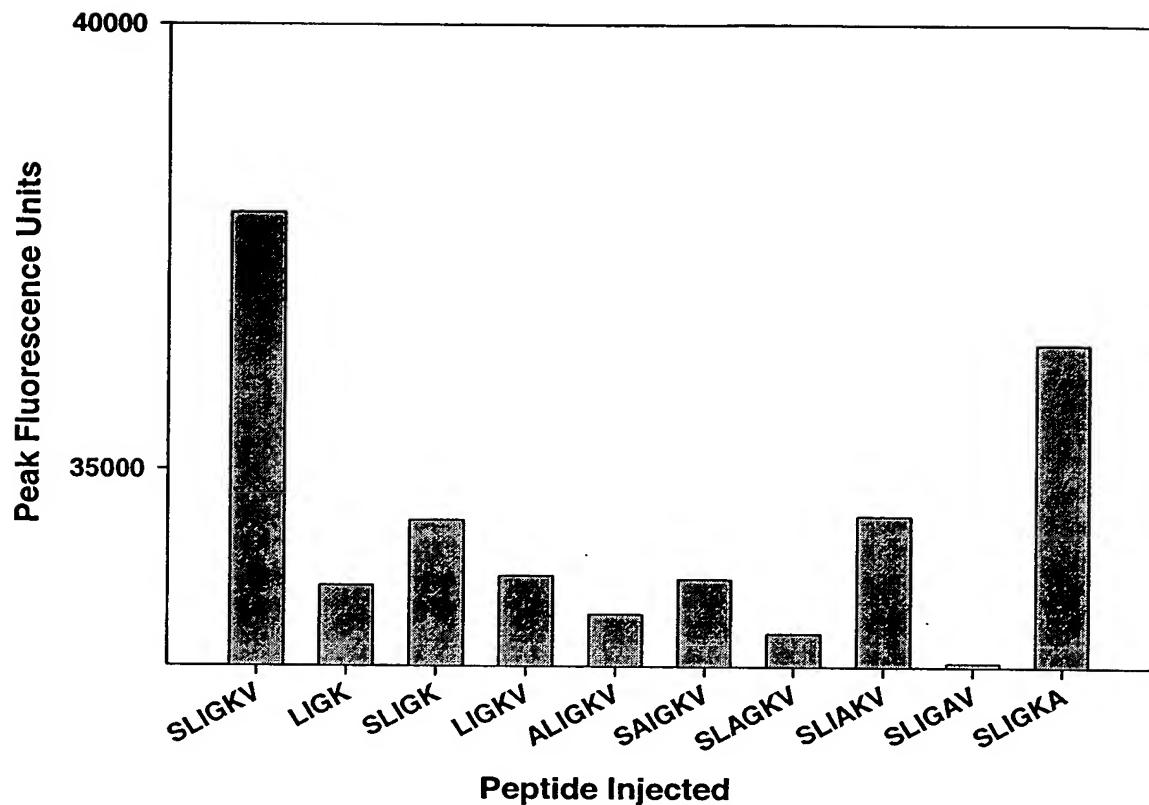


FIGURE 4C

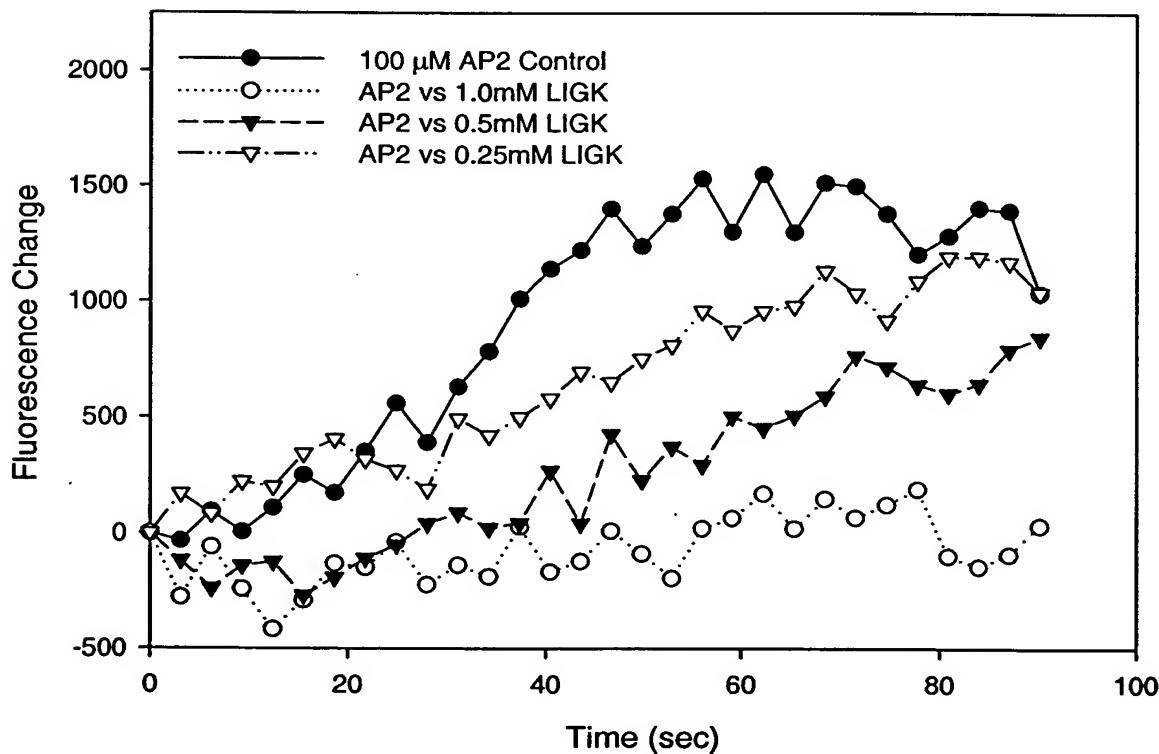


FIGURE 5

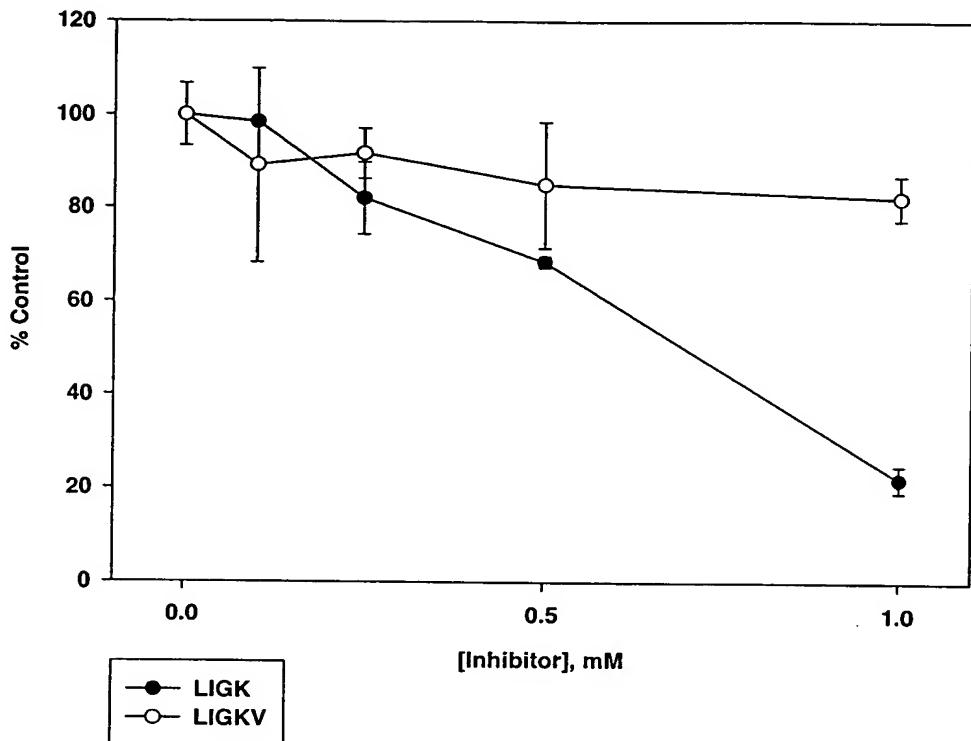


FIGURE 6

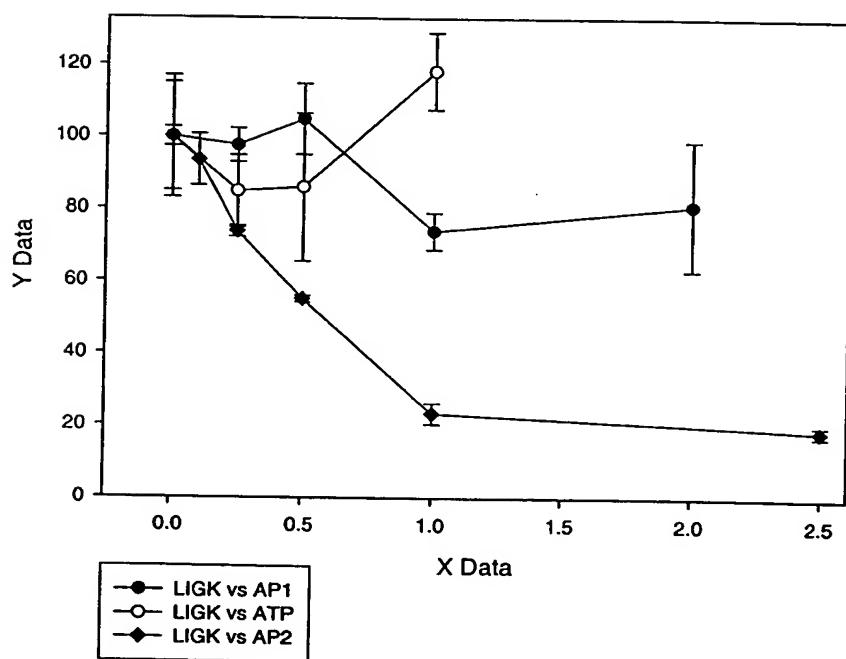


FIGURE 7

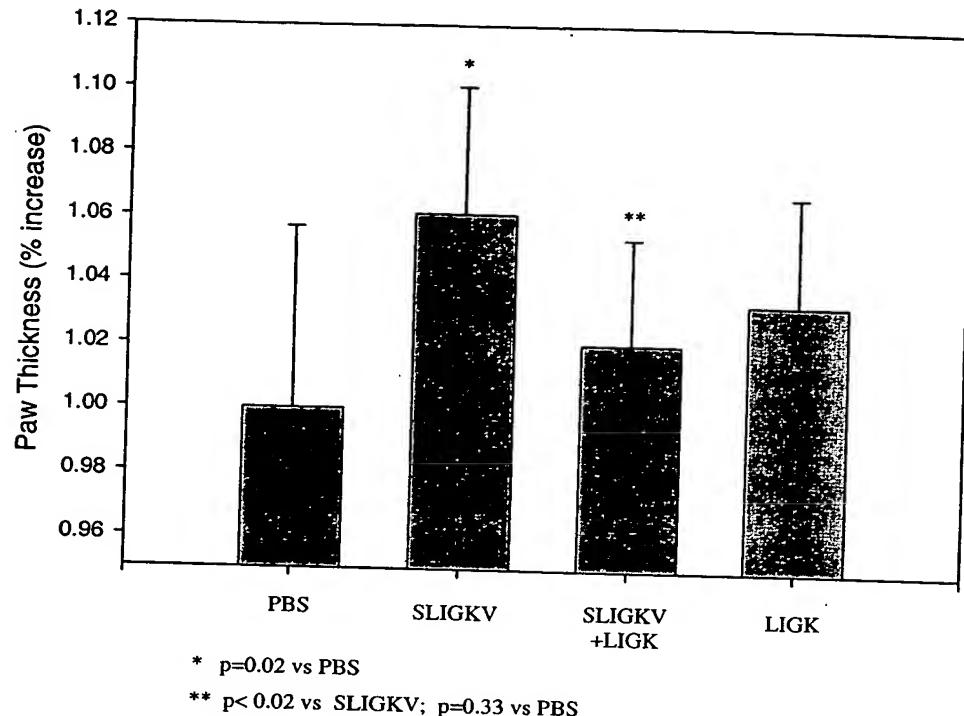


FIGURE 8

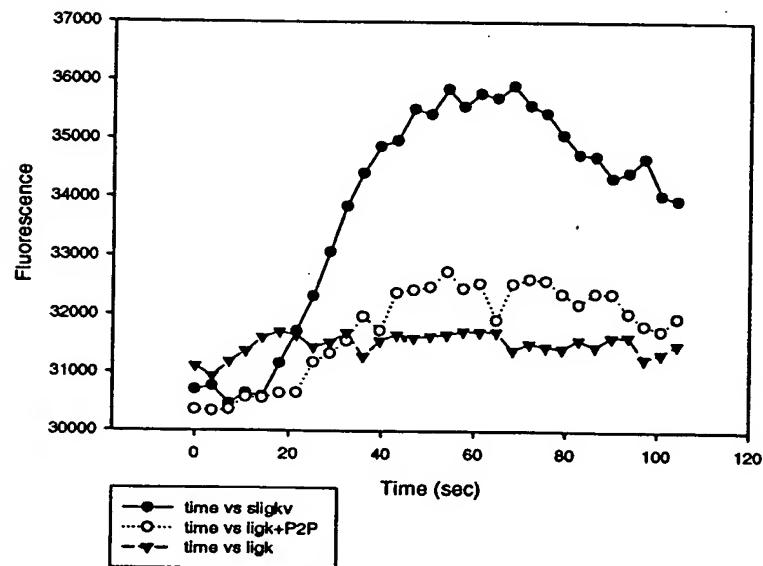


FIGURE 9

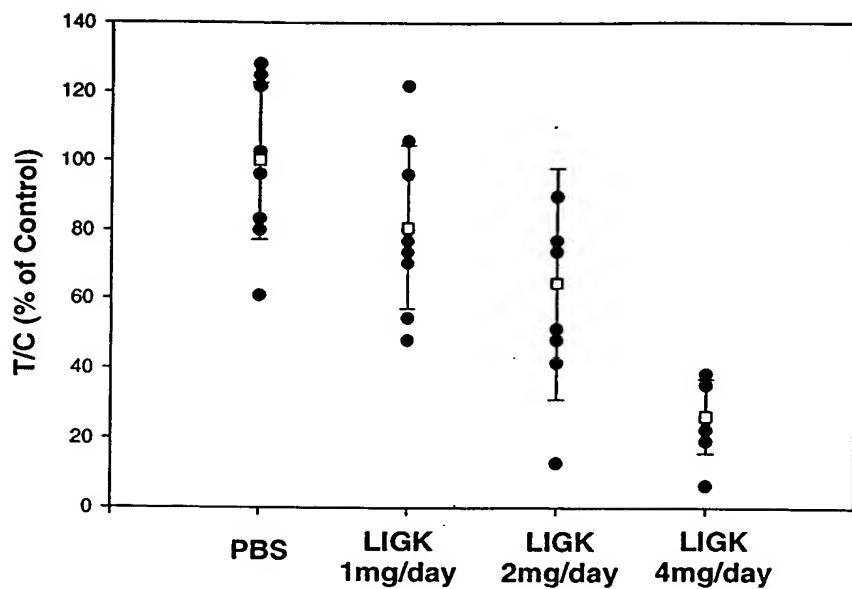


FIGURE 10

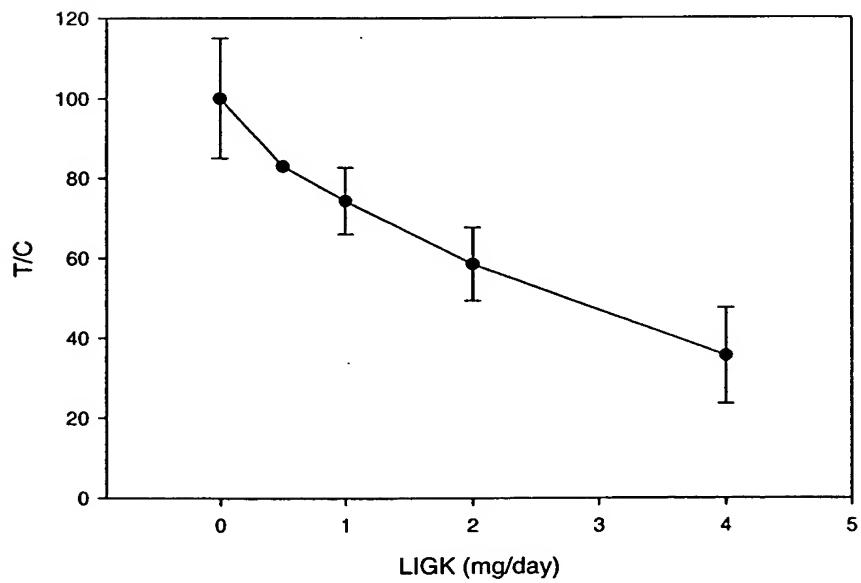


FIGURE 11

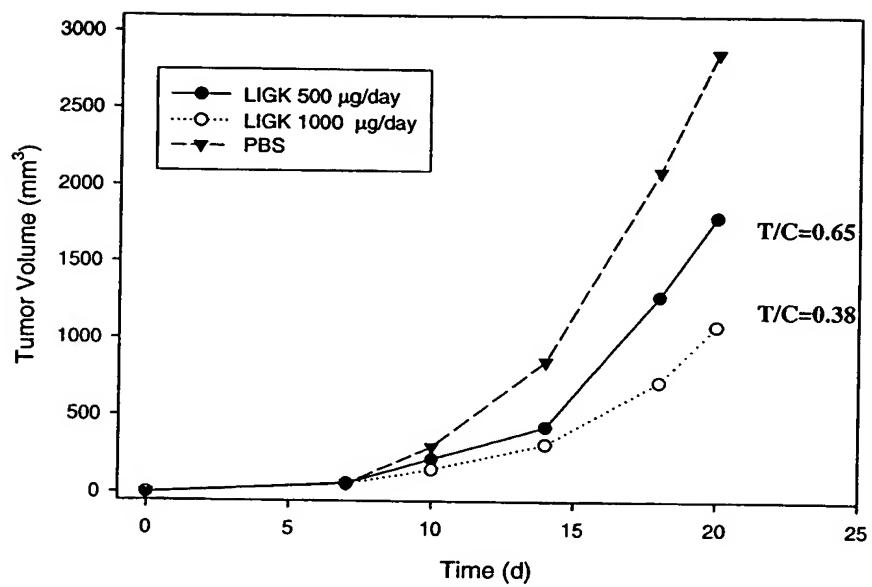


FIGURE 12

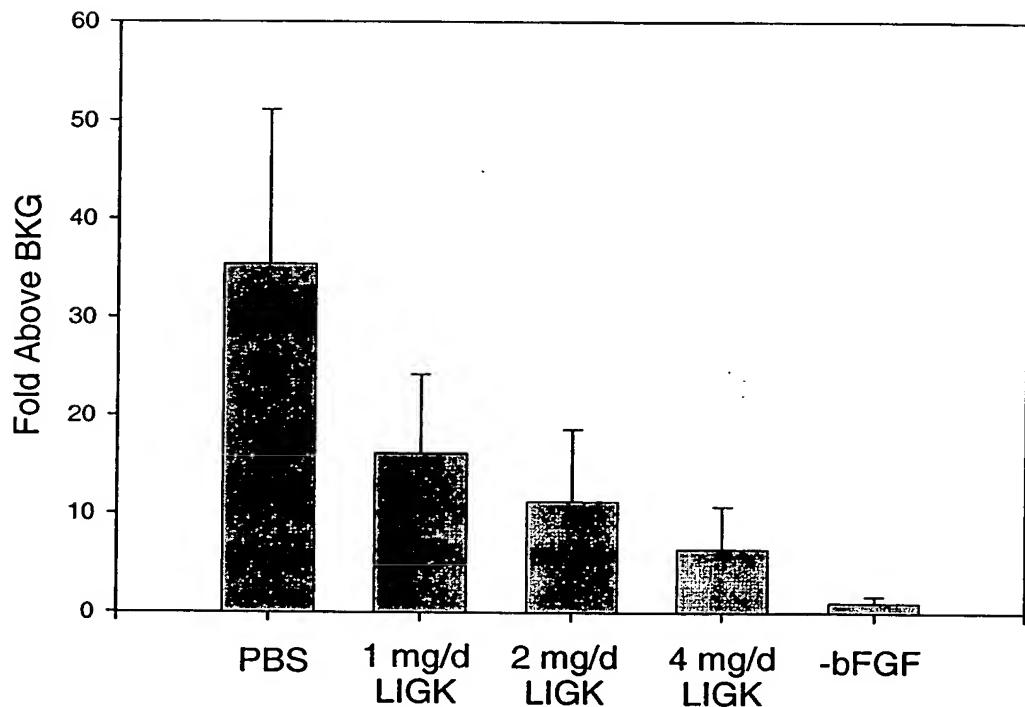


FIGURE 13

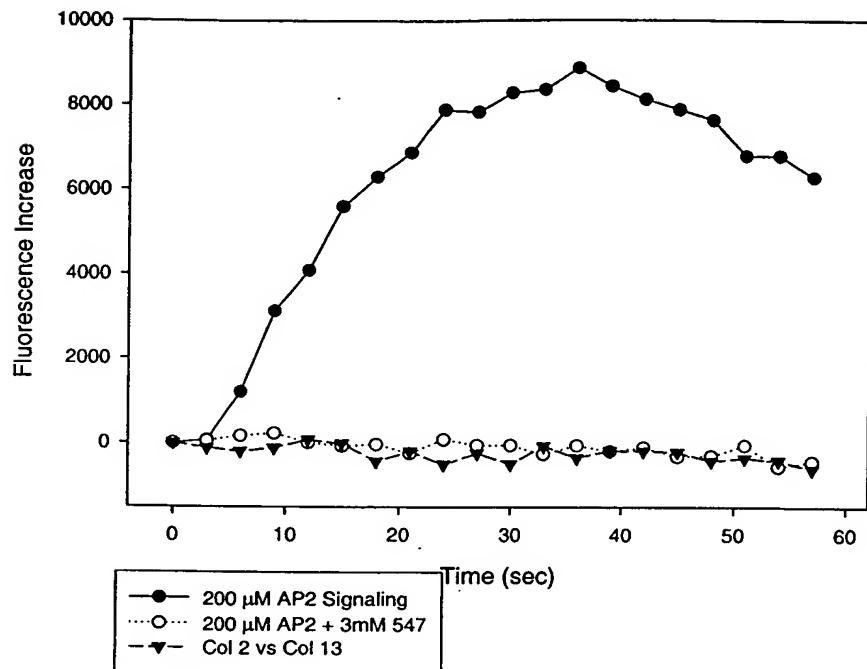


FIGURE 14

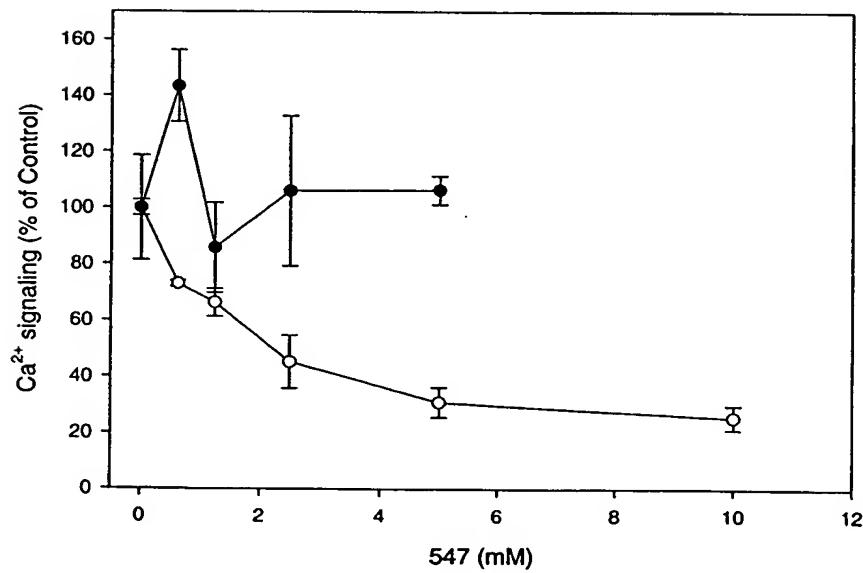


FIGURE 15

Title: Compositions and Methods Comprising Protein  
Activated Receptor Antagonists  
Inventor: Todd A. Hembrough  
Atty Docket: 05213-3041 (43170-286877)

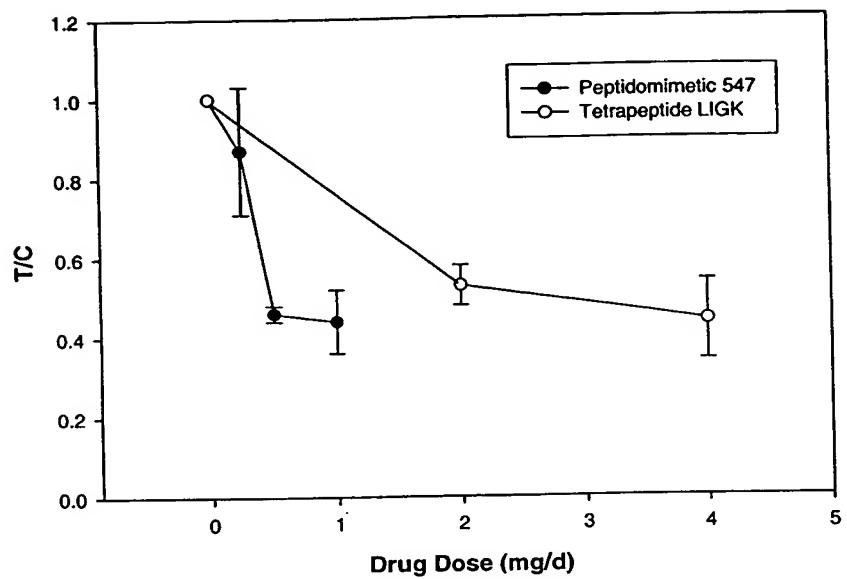
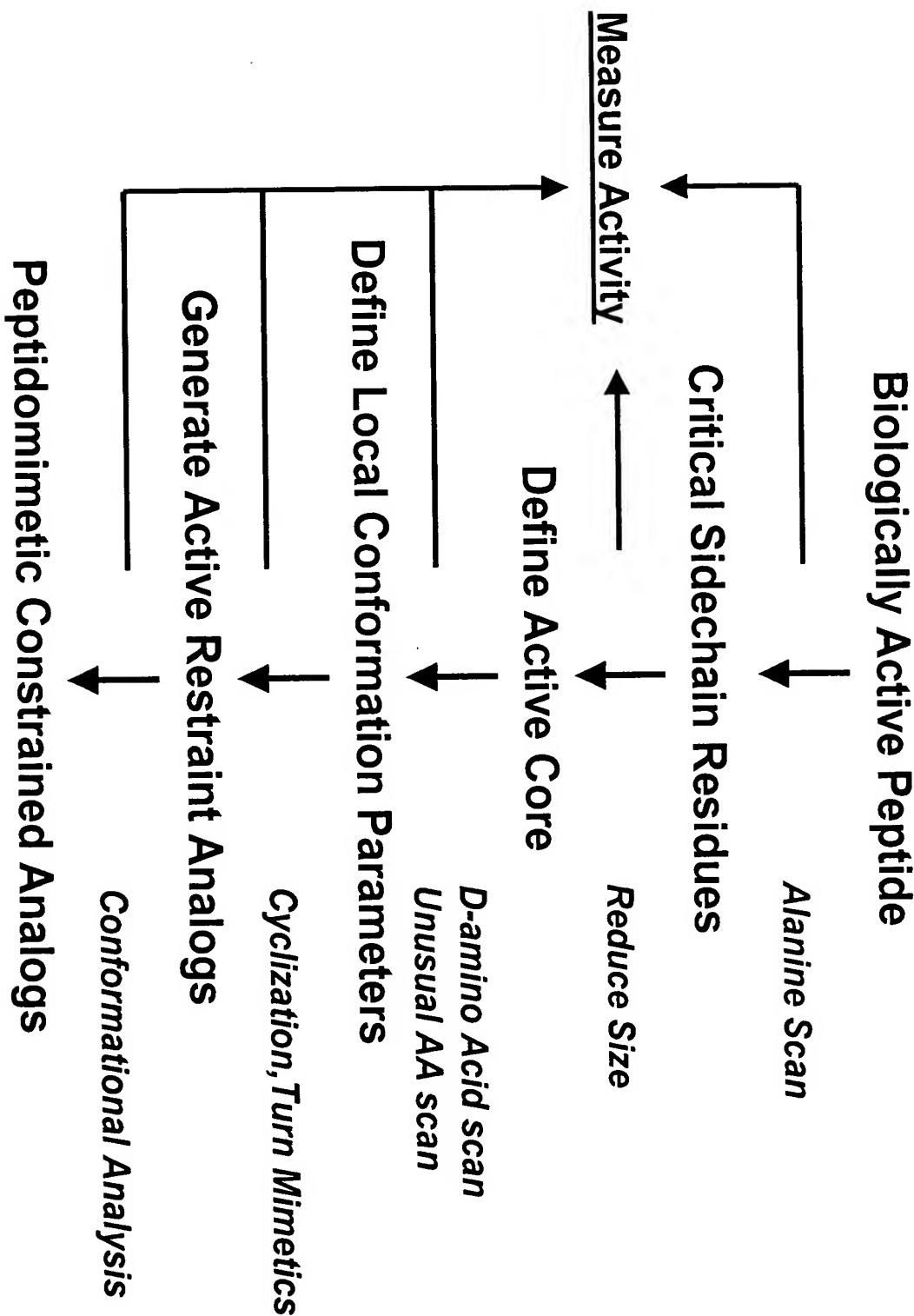


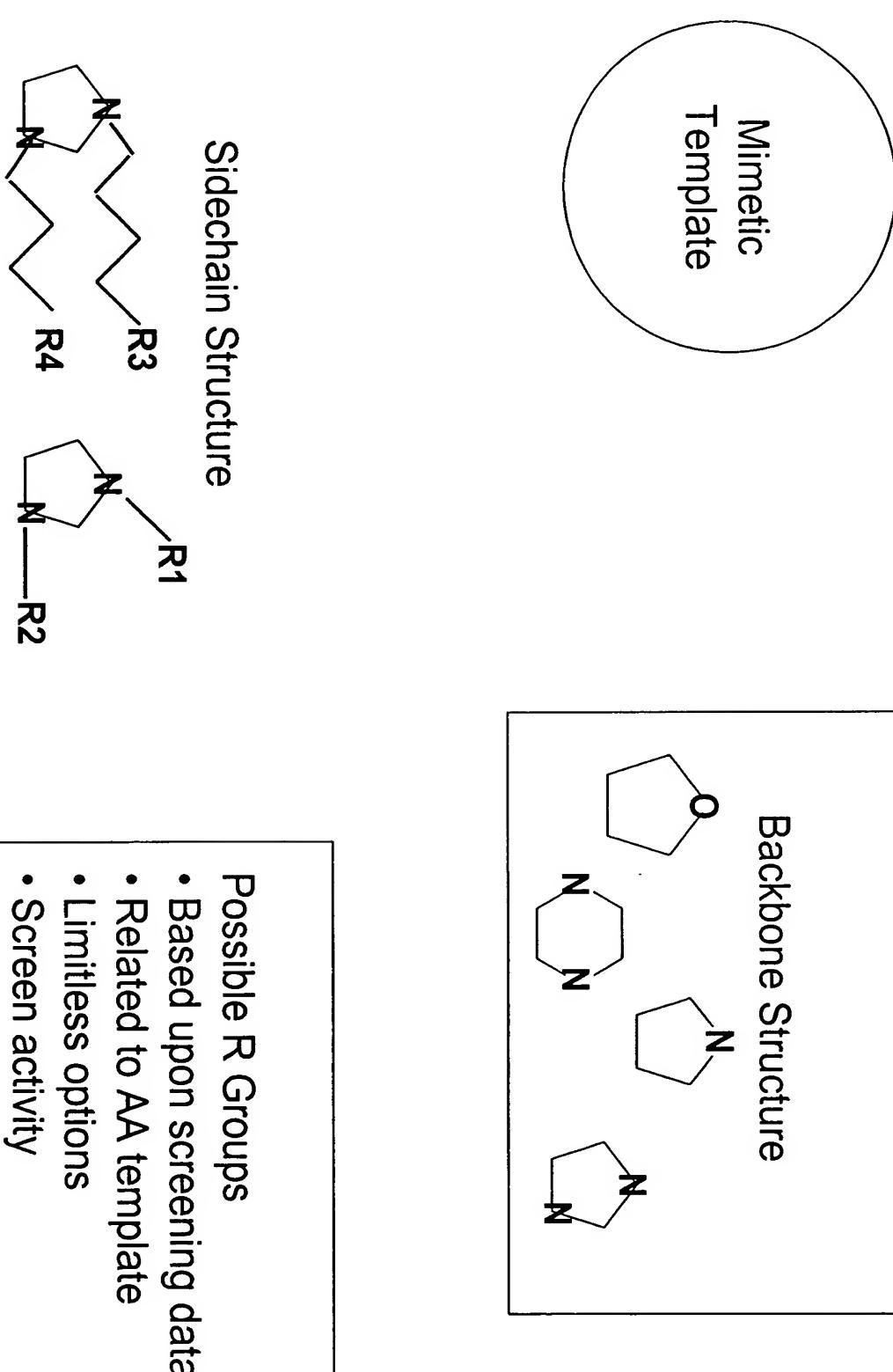
FIGURE 16

FIGURE 17



Title: Compositions and Methods Comprising Protein  
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Atty Docket: 05213-3041 (43170-286877)

FIGURE 18



	animal #	weight (g)		tarsal, left (mm)		tarsal, right (mm)	
		Day 1	Day 8	Day 1	Day 8	Day 1	Day 8
untreated, no arthritis	337	23.1	23.7	2.67	2.79	2.72	2.72
	338	23.8	24.6	2.73	2.68	2.49	2.41
	339	21.3	22.7	2.72	2.83	2.54	2.46
	340	20.9	22.4	2.67	2.69	2.62	2.68
	*341*	23.7	25	2.88	2.95	2.7	2.75
		22.6	23.7	2.73	2.79	2.61	2.60
			1.1		0.05		-0.01
							0.04
PBS, arthritis	317	22	17.3	2.71	3.99	2.7	3.6
	*318*	21.3	18.1	2.66	4.57	2.58	3.55
	319	22.5	21.7	2.65	3.11	2.63	2.81
	320	21.8	17.7	2.74	3.94	2.75	3.83
	321	23.6	17.5	2.75	3.81	2.63	3.7
		22.2	18.5	2.70	3.88	2.66	3.50
			-3.8		1.18		0.84
							2.02
2ME2, arthritis	352	23.4	20.9	2.74	3.1	2.73	3.39
	*353*	22.4	19.5	2.81	3.29	2.75	3.18
	354	22.8	18.1	2.62	2.51	2.68	2.91
	355	21.5	20.4	2.72	3.07	2.66	2.81
	356	20.7	21.2	2.75	2.73	2.63	3.42
		22.2	20.0	2.73	2.94	2.69	3.14
			-2.1		0.21		0.45
							0.66
547, arthritis	327	22.5	17.9	2.64	3.35	2.69	3.36
	328	22	17.1	2.73	3.37	2.74	3.17
	*329*	21.5	20.4	2.7	3.03	2.67	3.48
	330	20.6	18.2	2.62	3.24	2.65	3.24
	331	23.2	19	2.58	3.2	2.65	3.31
		22.0	18.5	2.65	3.24	2.68	3.31
			-3.4		0.58		0.63
							1.22
LIGK, arthritis	322	21.9	24.3	2.69	2.88	2.56	3.02
	323	21.6	22.3	2.75	2.9	2.65	2.65
	324	22.8	23.5	2.68	3.01	2.71	2.89
	*325*	23.4	23.1	2.62	2.91	2.75	2.94
	326	21	21.6	2.74	2.81	2.69	2.97
		22.1	23.0	2.70	2.90	2.67	2.89
			0.8		0.21		0.22
							0.43

FIGURE 19

Title: Compositions and Methods Comprising Protein  
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Atty Docket: 05213-3041 (43170-286877)

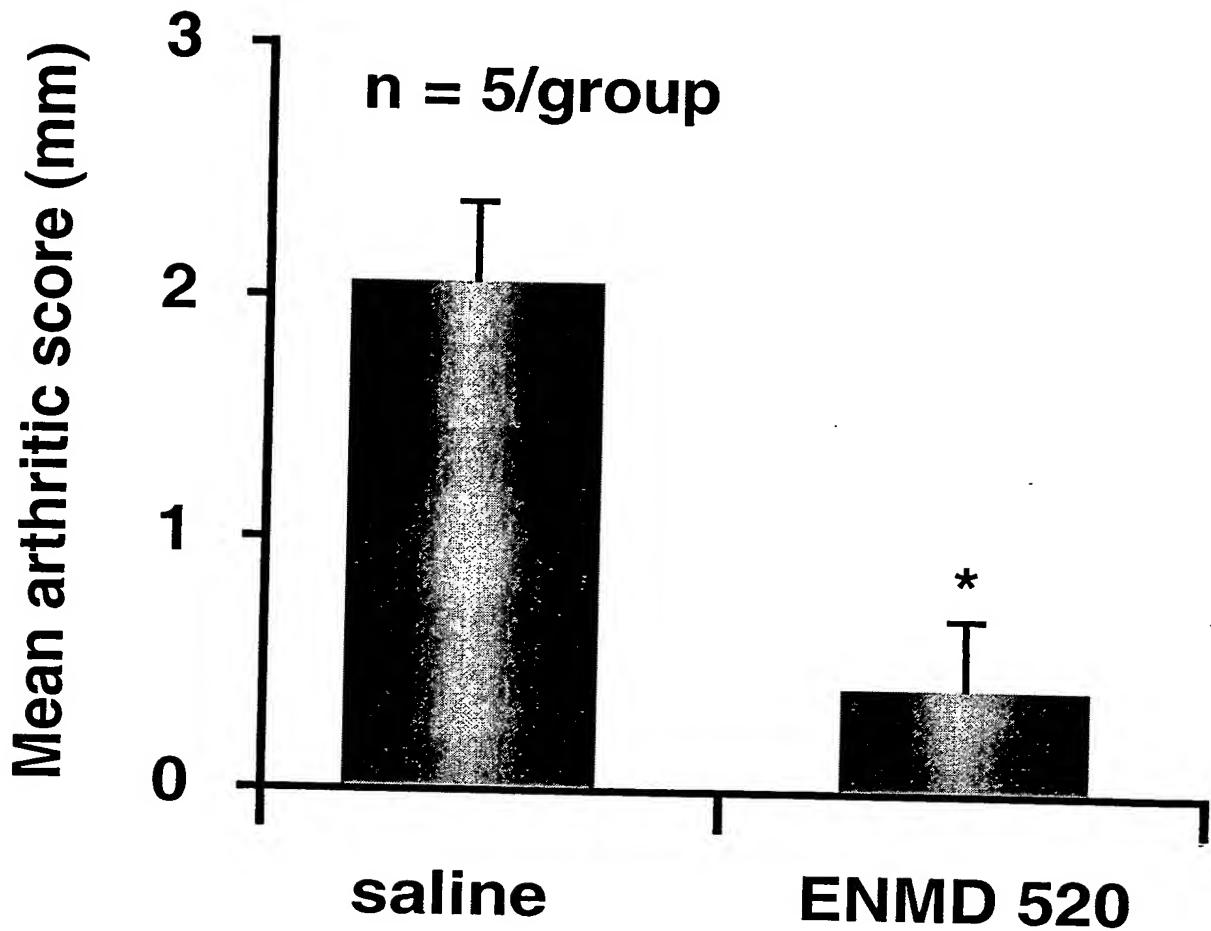


FIGURE 20

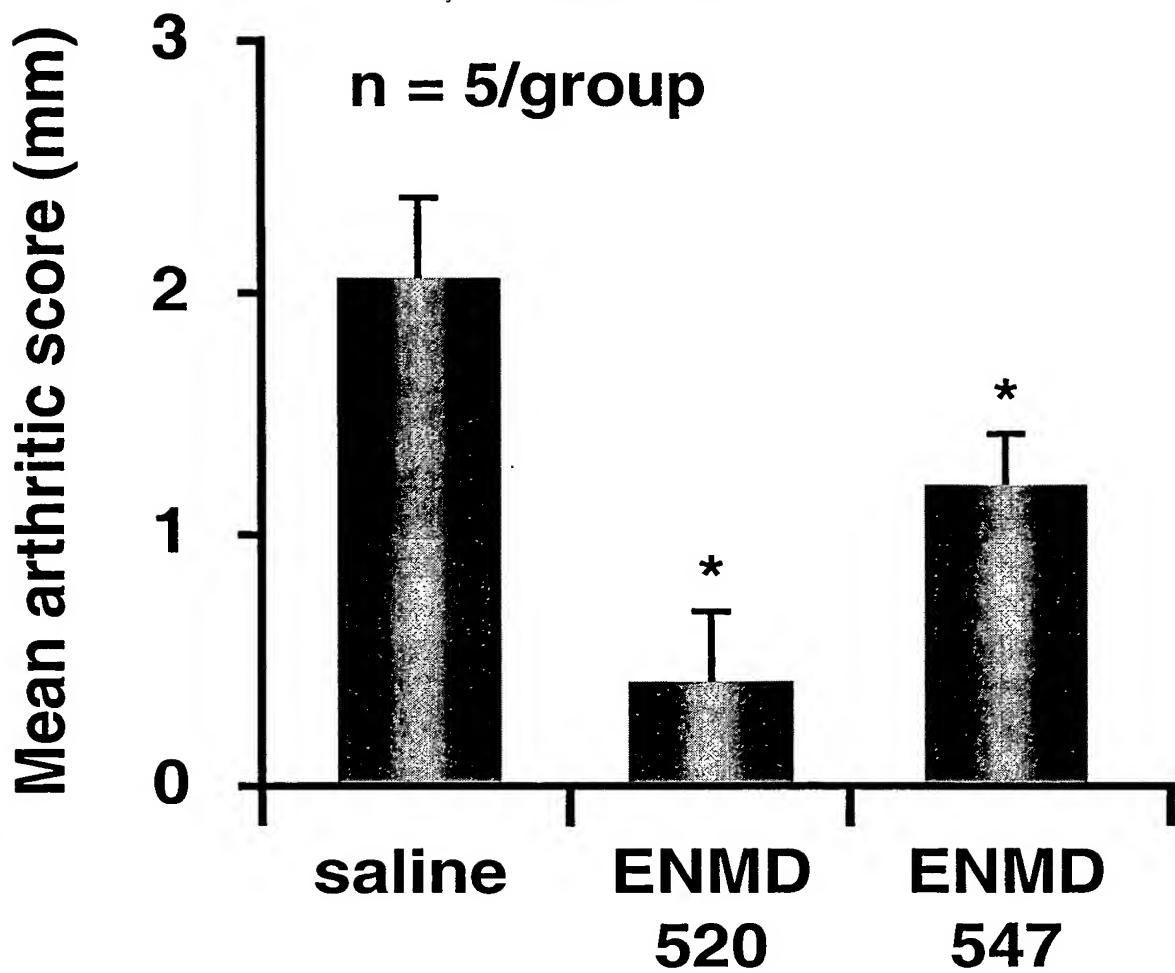


FIGURE 21

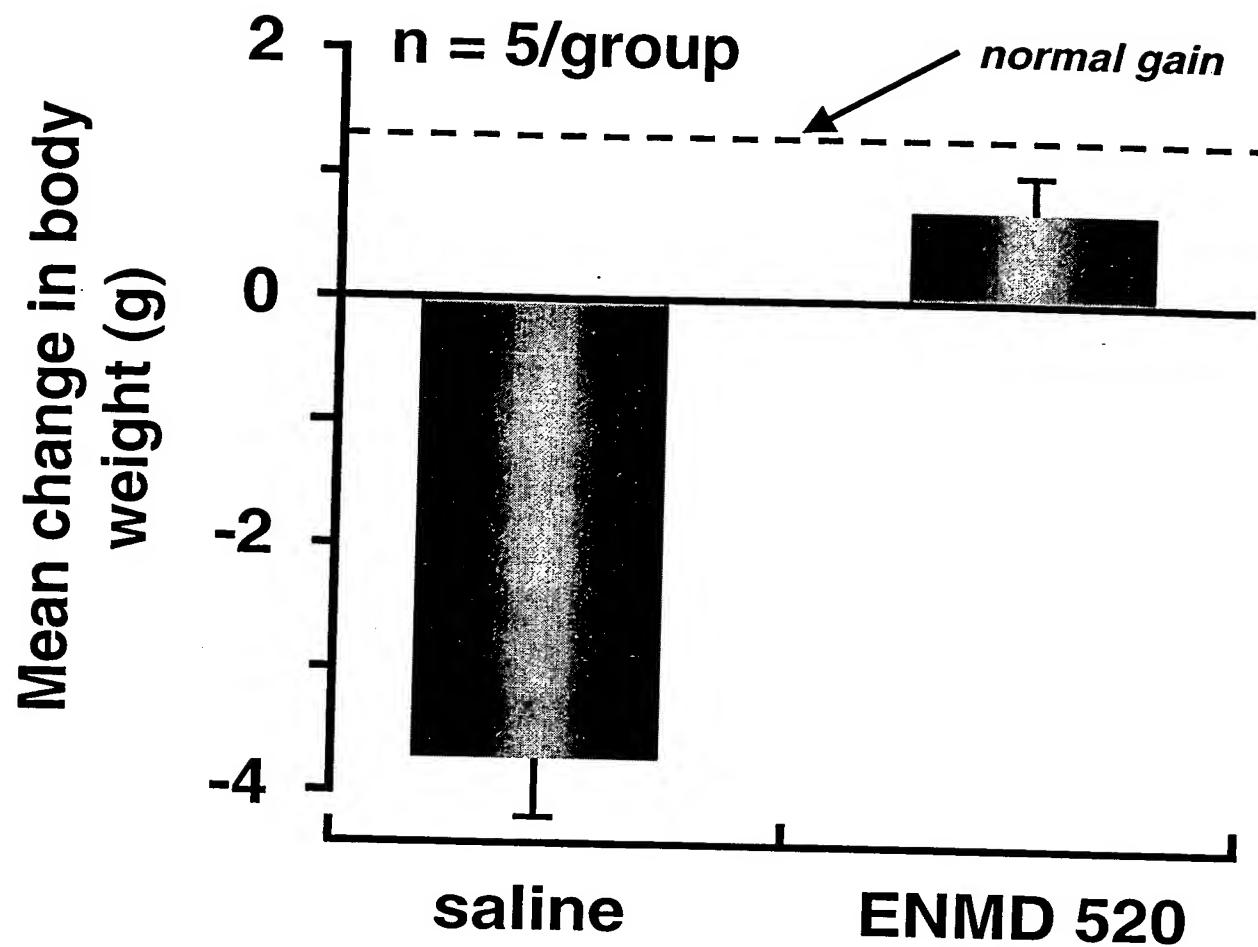


FIGURE 22

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Atty Docket: 05213-3041 (43170-286877)

	LIGK Dose	T/C			5-47 Dose	T/C
gms02-19	4000	0.44			1000	0.44
met	2000	0.52	met		500	0.46
					250	0.87
gms02-13	4000	0.27				
met	2000	0.65				
	1000	0.81				
gms02-07	1000	0.77				
met	500	0.83				
	500 bid	0.43				
gms02-004	1000	0.38				
primary	500	0.65				
gms02-028	4000	0.56	Primary		4000	1
primary					2000	1.05
					1000	1.3
gms01-xx	1000	0.38,,0.65				
met						

FIGURE 23

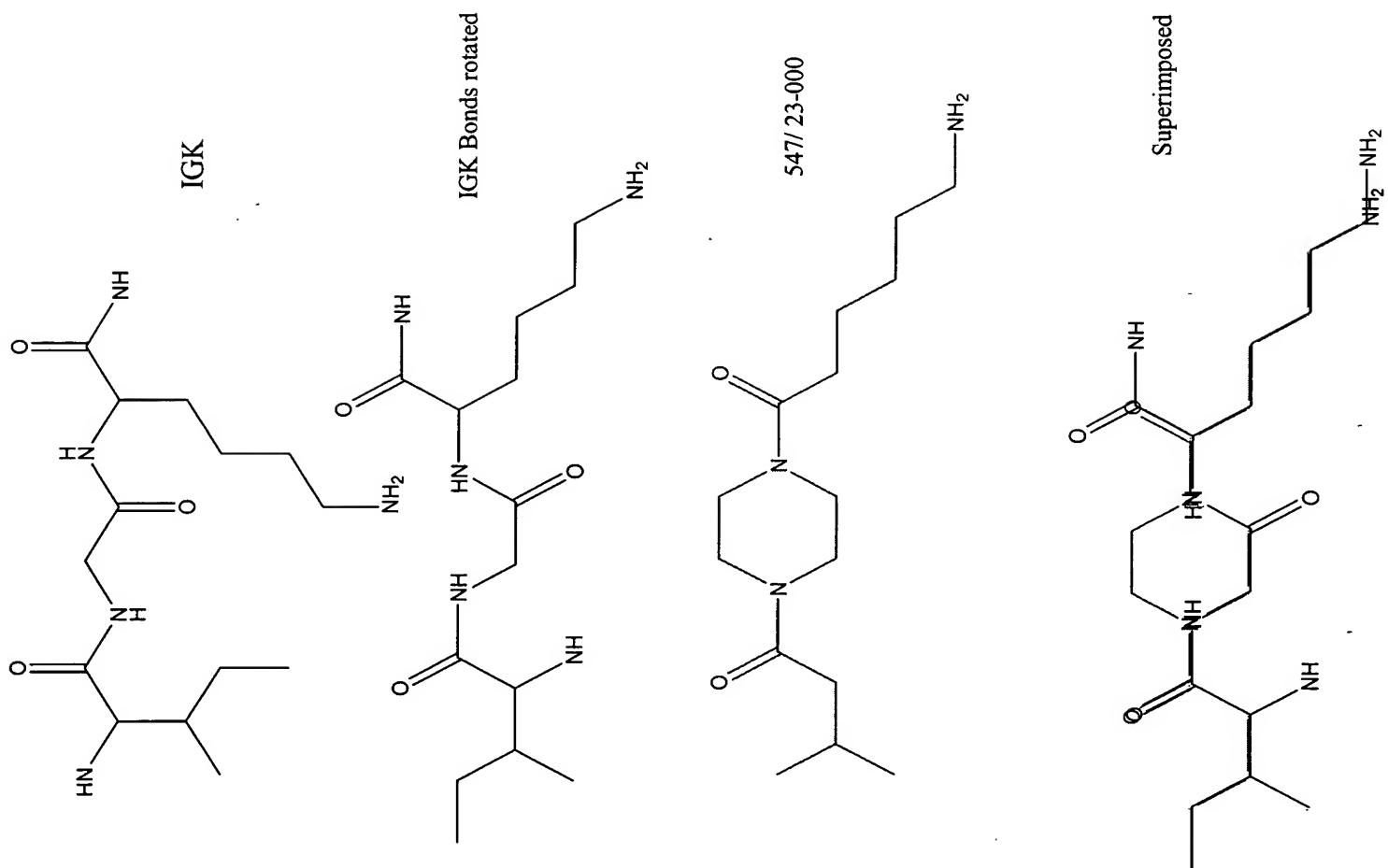


FIGURE 24

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Atty Docket: 05213-3041 (43170-286877)

020626 Inhibition of  $\text{Ca}^{++}$  Signalling by 5mM LIGK Lots, Fragments, Scrambled, and Reverse Peptides  
HT29, 67 $\mu$ M AP2

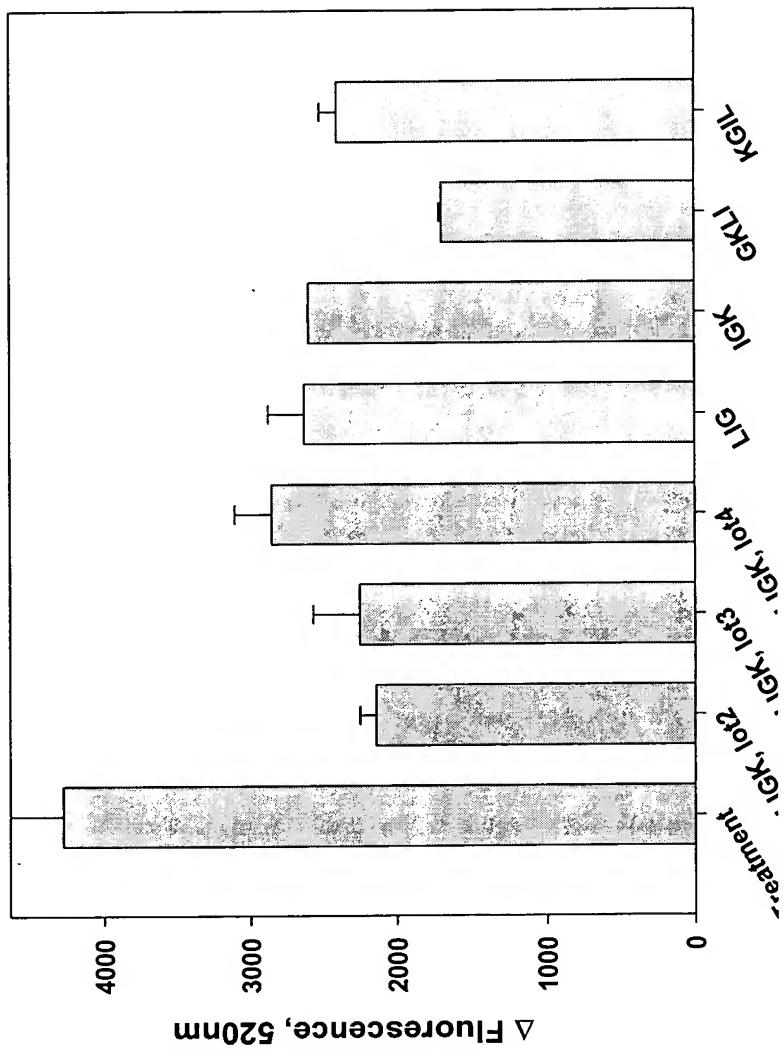


FIGURE 25